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EUROPEAN
SOCIETY FOR
PIGMENT
CELL
RESEARCH

Special Issue - June 1993

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SURVEY
OF CURRENT PIGMENT CELL
RESEARCH IN EUROPE
1990 -1992

Periodico quadrimestrale della European Society for Pigment Cell Research (Associazione Europea per la Ricerca sulla Cellula Pigmentaria), realizzato con il contributo della Fondazione Pro Ricerca Dermatologica e della Pfizer Italiana.

Direttore Responsabile: Prof. Giuseppe Prota, Presidente ESPCR, Dip. di Chimica Organica e Biologica, Università di Napoli, Via Mezzocannone 16, 80134 Napoli.

Autorizzazione del Tribunale di Napoli n. 3684 dell'11/12/87.

Dear Member, Dear Colleague,

The first survey of Current Pigment Cell Research in Europe is now completed. This task has been decided by the council of the ESPCR in 1989 and the work initiated in the same year. At that time, the President, G. Prota, charged W. Westerhof, a council member, to collect and centralize data coming from different countries. Members of the society have been designated to report Pigment cell Research status in their own respective countries and, effectively, many reports have been sent back. In the same time, calls to fill in a standard form have been systematically included in all ESPCR Bulletin issues since. By the end of 1991, the informations have been gathered in Brussels and logged in a database. But unfortunately, some reports did not meet the required format to be introduced into the database.

In addition, a closer look at the information revealed that most of the forms were sent by non-ESPCR members!

So, in 1992 new forms have been sent to the members together with ESPCR annual subscription renewals with, this time, much more success.

We hope that this initiative will contribute, favour and facilitate interconnections among investigators from different disciplines and countries.

G. Ghanem
Editorial Office
Brussels

This special issue of the ESPCR Bulletin is dedicated to the first survey of Pigment Cell Research in Europe and contains informations collected over the 1989 - april 1993 period. The forms have been classified by country and an author index added.

The forms have been reproduced exactly as sent by the authors. We are aware, however, that mistakes and/or information may be faulty or missing. Your name and/or additional informations about your research may be lacking; you may have comments, suggestions to improve the quality of the content.

Please feel free to fill in the empty forms 1 & 2 below and send them back to the Editorial Office in Brussels to update our files.

Form 1

Name* :

Date .../.../... Signature:

Address* :
.....
.....
.....

Please tick all that apply

- Please add the annexed form(s) (form 2) to your list.
- Please update the form number: -----. Updated form 2 annexed.
- Please remove the form number: -----.
- Please remove my name from form number: -----.
- Please remove my name everywhere it appears.

Comments / Suggestions :

* *Type or capital letters*

Form 2

SURVEY OF CURRENT PIGMENT CELL RESEARCH IN EUROPE 1993-1994

1. **FIELD OF STUDY** :

2. **TITLE / DESCRIPTION** :

3. **INVESTIGATOR(S)** :

4. **INSTITUTION** :

5. **ADDRESS** :

6. **TELEPHONE** :

7. **FAX** :

8. **COMMENTS** :

9. **TOPIC** :

Send back to : *Dr G. Ghanem, Editorial Office*
L.O.C.E. - Campus Erasme
ULB CP: 634
Route de Lennik 808
B - 1070 Brussels
Fax: 32-2-555 41 87

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992

AUS1

1. FIELD OF STUDY : Epidemiology
2. TITLE / DESCRIPTION :
- (a) Epidemiology (especially aetiology) of melanoma
 - (b) Natural history of melanocytic naevi
 - (c) Improved. Diagnosis of melanoma by clinicians using computers, photography, etc...
3. INVESTIGATOR(S) : Dr Adele Green
4. INSTITUTION : Queensland institute of medical research
5. ADDRESS : Herston, Brisbane, Quensland 4029, Australia
6. TELEPHONE : 07-362 02 34
7. FAX : 07-362 01 01
8. COMMENTS :
9. KEY WORDS : Melanoma, Nevus



AUS2

1. FIELD OF STUDY : Melanoma biology
2. TITLE / DESCRIPTION : Regulation of human pigmentation
Effects of ultraviolet light
Animal model for melanoma
3. INVESTIGATOR(S) : Peter G. Parsons
4. INSTITUTION : Queensland Institute of Medical Research
5. ADDRESS : Herston, Queensland, Australia 4029
6. TELEPHONE : 61-7-362-0316
7. FAX : 61-7-362-0107
8. COMMENTS :
9. KEY WORDS : Melanoma, Photobiology

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**A1**

1. FIELD OF STUDY : Melanoma cell research
2. TITLE / DESCRIPTION :
- "Expression and Modulation of Adhesion Molecules on Human Melanoma Cells"
 "Growth Factor Production (autocrine) by Melanoma Cells"
 "Role of IL-6 in Melanoma Biology"
 "Immune Reaction against Melanoma Cells, Modulation by Biological Response Modifiers"
3. INVESTIGATOR(S) : M. Micksche(1), E.M. Kokoschka(2), A. Rehberger(2)
4. INSTITUTION : (1) Institute for Tumor Biology / Cancer Research
 Dept. Applied and Exp. Oncology, Borschkegasse 8a, A-1090 Vienna
 (2) Univ. Clinic Dermatology, Währinger Gürtel 18-20, A-1090 Vienna
5. ADDRESS : Austria
6. TELEPHONE : (1) 42 76 94
7. FAX : (1) 43 72 75
8. COMMENTS :
9. KEY WORDS : Melanoma
- =====

A2

1. FIELD OF STUDY : Malignant melanoma
2. TITLE / DESCRIPTION : Early recognition
 Epuliminescence microscopy
 Imaga analysis
 Immunology, Biology
 Treatment
3. INVESTIGATOR(S) : Dr Michael Binder
4. INSTITUTION : Hubert Pehamberger M.D., Professor of Dermatology
 Department of Dermatology
 University of Vienna
5. ADDRESS : Währinger Gürtel 18-20
 A - 1090 Vienna, Austria
6. TELEPHONE : (43-1) 40400/ 5841
7. FAX : (43-1) 408 1928
8. COMMENTS :
9. KEY WORDS : Melanoma

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992

B1

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Labelled MAbs imaging : immuno-scintigraphy (mice, human)
3. INVESTIGATOR(S) : Drs. J. Frühling, G. Ghanem, F. Lejeune
4. INSTITUTION : Institut Jules Bordet, Dept of Radioisotopes
5. ADDRESS : Rue Héger-Bordet 1, B - 1000 Brussels
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

=====

B2

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : α - MSH in human malignant melanoma.
 α - MSH receptors on melanoma cells
3. INVESTIGATOR(S) : Drs F. Lejeune, G. Ghanem, V. Del Marmol, R. Morandini, B. Loir, A. Libert, R. Arnould, Dr. D. Lienard.
4. INSTITUTION : Institute Jules Bordet
5. ADDRESS : Université Libre de Bruxelles - Rue Héger-Bordet, 1 - 1000 Bruxelles - Belgium
6. TELEPHONE
7. FAX :
8. COMMENTS :
 - α - MSH RIA and receptor binding assay
 - immunohistology anti-malignant melanoma MAbs
 - bioassay and ELISA of IL1 in melanoma patients
 - human melanoma cell culture
 - tyrosinase and melanin chemistry
 - cytotoxicity of drugs on malignant melanoma cells
 - targetting of α - MSH coupled to melphalan in malignant melanoma.
9. KEY WORDS : Melanoma, Melanogenesis, Melanoma drug targeting, Melanoma seekers

B3

- 1. FIELD OF STUDY : Melanoma
- 2. TITLE / DESCRIPTION : Alpha-MSH in human malignant melanoma
Melanins Biochemistry
Photobiology
Immunology
Cytotoxicity - Drug Targeting - Pharmacokinetics
Cell Culture
- 3. INVESTIGATOR(S) : Drs. G. Ghanem, R. Deraemaeker, V. del Marmol, Ms. A. Libert,
B. Loir, Mr. R. Morandini
- 4. INSTITUTION : Free University of Brussels, Faculty of Medicine, Campus Erasme
- 5. ADDRESS : L.O.C.E.- CP: 634, 808 Route de Lennik - B - 1070 Brussels
- 6. TELEPHONE : 32-2-555.41.99
- 7. FAX : 32-2-555.41.87
- 8. COMMENTS :
 - Alpha-MSH RIA and receptor binding assays
 - Immunohistology anti-malignant melanoma Mabs
 - IL-1, IL-6, TNF- α in melanoma patients
 - Human melanoma cell culture
 - Tyrosinase and other related enzymes
 - Cytotoxicity of drugs on malignant melanoma cells
 - Targeting with MSH analogues coupled to Melphalan

9. KEY WORDS : Melanoma

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B4

- 1. FIELD OF STUDY : Melanoma
- 2. TITLE / DESCRIPTION :
 - Epidemology of malignant melanoma
 - Immunohistology of malignant melanoma
- 3. INVESTIGATOR(S) : Drs R. Deraemaeker, J. André, P. Autier, M. Joarlette, G. Ghanem,
F. Lejeune
- 4. INSTITUTION : Hôpital St Pierre, Dept of Dermatology
Institut J Bordet, LOCE
- 5. ADDRESS : Rue Haute 322, B - 1000 Brussels
- 6. TELEPHONE : 32-2-535.43.81
- 7. FAX :
- 8. COMMENTS :
- 9. KEY WORDS : Melanoma

B5

1. FIELD OF STUDY : Chemistry of melanin
2. TITLE / DESCRIPTION : Melanin chemistry of melanosomes
3. INVESTIGATOR(S) : Drs. G. Vauquelin, J. Debing, A.P. Yerman
4. INSTITUTION : V.U.B.
5. ADDRESS : Paardenstraat 67, B - 1640 St Genesius Rode
6. TELEPHONE : 32-2-358.35.30
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanin chemistry

=====

B6

1. FIELD OF STUDY : Giant nevus
2. TITLE / DESCRIPTION : Clinical histological, and immunological studies of giant nevus to find predisposing factors to malignant transformation.
3. INVESTIGATOR(S) : R.Vanwijck
4. INSTITUTION : Dept Plastic Surgery, Cliniques St Luc, Université Catholique de Louvain.
5. ADDRESS : Av. Hippocrate, 10 - 1200 Brussels.
6. TELEPHONE : 02 /764.14.03
7. FAX :
8. COMMENTS :
9. KEY WORDS : Giant nevus

- B7**
1. FIELD OF STUDY : Biology of human melanocytes - epidemiology of congenital and dysplastic nevi.
 2. TITLE / DESCRIPTION :
 - Molecular Biology of melanogenesis in human melanocytes in vivo and in vitro
 - Culture of human melanocytes and nevuscells.
 - Epidermological studies on congenital nevi and dysplastic nevi.
 - Melanocytic proliferations and basement membranes
 - Neural differentiation of melanocytes/nevuscells.
 3. INVESTIGATOR(S) : Drs J.M. Naeyaert, K. Vossaert, N. Wieme
 4. INSTITUTION : Dept of Dermatology
University hospital of Gent
 5. ADDRESS : De Pintelaan, 185 te 9000 Gent - Belgium
 6. TELEPHONE : 091-40.22.87
 7. FAX : 091-40.49.90
 8. COMMENTS :
 9. KEY WORDS : Pigment cell biology, Nevus

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- B8**
1. FIELD OF STUDY : Experimental cancerology in B16 cells.
 2. TITLE / DESCRIPTION :
 - I. Effects of natural agents (metals, vitamin c, purified alkaloids) on B16 melanoma cells.
 - II. Factors implicated in the control of proliferation, differentiation and cell death.
 - III. Relation between cancer cells and normal cells:
invasive process, cell death, extracellular matrix.
 - IV. Search of tropic and toxic factors released by melanoma cells.
 3. INVESTIGATOR(S) :
Pr. R. Bassleer, Foidart J.M., Angenot L., Mr E. Sabbioni.
Collaborators: De Pauw-Gillet M.Cl., Coucke P., Siwek B., K. Bonjean, C. Munaut, A. Noel,
J. Quetin-Leclecq, Pozzi G.
 4. INSTITUTION : University of Liège,
 5. ADDRESS : Rue de Pitteurs, 20, B-4020 Liege - Belgique.
 6. TELEPHONE : 041/ 42 08 02
 7. FAX :
 8. COMMENTS : Work done in collaboration with Pr. Bassleer (Histology-Cytology), Pr. Foidart (General Biology), Pr. Angenot (Pharmacognosy) and Mr. E. Sabbioni (CCR 21020 Ispra VA Italy).
 9. KEY WORDS : Melanoma.

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992

BG1

1. FIELD OF STUDY : Antitumour drugs - synthesis and study

2. TITLE / DESCRIPTION :

Synthesis of new anticancer agents, especially antimelanoma ones, appearing spin-labeled derivatives of alkylating drugs from the groups of nitrosoureas and triazenes, and also - spin-labeled derivatives of quinone containing photosensitizing antitumour agents. Study on some molecular mechanisms of their action (formation of free radical intermediates, interaction with biomacromolecules) and their pharmacokinetics by the EPR method.

3. INVESTIGATOR(S) : Prof. Zahary D. Raikov

4. INSTITUTION : Higher Medical School, Dept. of Chemistry and Biochemistry

5. ADDRESS : 1, Armeiska Street
6000 Stara Zagora, Bulgaria

6. TELEPHONE : 00359.424.6151, inner - 227

7. FAX : 00359.424.7000

8. COMMENTS :

9. KEY WORDS : Melanoma targeting

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BG2

1. FIELD OF STUDY : Synthesis and properties of new antitumour drugs

2. TITLE / DESCRIPTION :

Synthesis of spin-labeled alkylating agents, derivatives of 2-chloroethylnitrosoureas and conjugates between toxins and lectins in view of their use as anticancer drugs especially against melanomas. Investigation of their molecular mechanism of action and pharmacokinetics by means of EPR method.

3. INVESTIGATOR(S) : Assist. Prof Antoaneta M. Zheleva

4. INSTITUTION : Medical University , Dept Chemistry and Biochemistry

5. ADDRESS : 11, Armeiska street
6000 Stara Zagora Bulgaria

6. TELEPHONE : 042.47.064

7. FAX : 042.4 7.000

8. COMMENTS :

9. KEY WORDS : Melanoma targeting

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992

CHINA

1. FIELD OF STUDY : A) Neuroendocrinology of pigmentation
 B) Anatomical basis of transformation, invasion and metastasis in malignant melanoma.

2. TITLE / DESCRIPTION :

 A) Hormonal regulation of growth and melanogenesis in normal and malignant melanocytes
 B) Stereological morphometry of human melanoma

3. INVESTIGATOR(S) : Professor Brian Weatherhead

4. INSTITUTION : Department of anatomy, the University of Hong Kong.

5. ADDRESS : 5 Sassoon Road, Hong Kong, China

6. TELEPHONE : (852) 819-9220

7. FAX : (852) 817-0857

8. COMMENTS :

9. KEY WORDS : Pigmentation, Melanoma

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992

CS1

1. FIELD OF STUDY : Biochemistry of melanoma, chemical and biochemical research of melanosomes, melanogens and melanogenesis
2. TITLE / DESCRIPTION :
 - a) Chemical and biochemical study of phenolic and indolic intermediates of melanogenesis and their metabolites (s.c. melanogens) - biochemical markers of malignant melanoma
 - b) Study of the chemical composition of melanosomes, especially of the amino-acid composition of melanosomal proteins
 - c) Biochemical study of the course of melanogenesis in vivo
3. INVESTIGATOR(S) : Dr. J. Duchon
4. INSTITUTION : Faculty of General Medicine, Charles University
Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 29.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma, Melanogenesis, Melanin chemistry

=====

CS2

1. FIELD OF STUDY : Biochemistry of melanoma, biochemical research of melanocytes and melanosomes
2. TITLE / DESCRIPTION :
 - a) Study of enzyme activities in melanomas and their subcellular fractions
 - b) Study of Zn in melanomas and their subcellular fractions; effects of Zn²⁺ on cultured cell systems
 - c) Methodological problems of melanosome isolation and the estimation of protein in the presence of melanin
3. INVESTIGATOR(S) : Dr. J. Borovansky
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 29.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Pigment cell biology, Melanogenesis

CS3

1. FIELD OF STUDY : Biochemistry of melanoma, biochemical research of melanosomes
2. TITLE / DESCRIPTION : Study of the occurrence of trace elements in melanosomes and in the whole melanoma tissue
3. INVESTIGATOR(S) : Dr. B. Prochazkova
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 29.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

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CS4

1. FIELD OF STUDY : Biochemistry of melanoma, chemical research of melanosomes
2. TITLE / DESCRIPTION : Study of some melanosomal components (RNA, DNA, lipids, gangliosides) in comparison with the whole melanoma tissue
3. INVESTIGATOR(S) : Dr. E. Vedralova
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 29.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

=====
CS5

1. FIELD OF STUDY : Biochemistry of melanoma
2. TITLE / DESCRIPTION : Markers of malignant melanoma of protein nature
3. INVESTIGATOR(S) : Dr. I. Melezinek
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 29.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

CS6

1. FIELD OF STUDY : Biochemistry of melanoma, biochemical research of melanogens

2. TITLE / DESCRIPTION :
 - a) Estimation of specific and non-specific metabolic and immunologic markers of malignant melanoma in connection with the clinical course and treatment of it
 - b) Study of some intermediates of melanogenesis (s.c. melanogens)

3. INVESTIGATOR(S) : Dr. B. Matous

4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry

5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia

6. TELEPHONE : 29.72.41 or 29.72.42

7. FAX :

8. COMMENTS :

9. KEY WORDS : Melanoma

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CS7

1. FIELD OF STUDY : Biochemistry of melanoma, chemical research of melanogens and melanogenesis

2. TITLE / DESCRIPTION : Chemical synthesis of some indolic intermediates of melanogenesis and their metabolites (s.c. melanogens)

3. INVESTIGATOR(S) : Drs. E. Bubnova, A. Budesinska

4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry

5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia

6. TELEPHONE : 29.72.41 or 29.72.42

7. FAX :

8. COMMENTS :

9. KEY WORDS : Melanin chemistry, Melanoma

CS8

1. FIELD OF STUDY : Biochemistry of melanoma, chemical research of melanogens and melanogenesis
2. TITLE / DESCRIPTION : Methodological problems of the GC and HPLC estimation of phenolic and indolic intermediates of melanogenesis and their metabolites (s.c. melanogens)
3. INVESTIGATOR(S) : Drs. M. Kostirova, Z. Schwippelova
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 29.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

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CS9

1. FIELD OF STUDY : Biochemistry of melanoma
2. TITLE / DESCRIPTION : Study of the occurrence of oncogenes in melanomas
3. INVESTIGATOR(S) : Drs. J. Kremen, J. Stribrna
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Biochemistry
5. ADDRESS : U nemocnice 5, 128 53 Prague 2, Czechoslovakia
6. TELEPHONE : 29.72.41 or 19.72.42
7. FAX :
8. COMMENTS :
9. KEY WORDS : Oncogenes in melanoma

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CS10

1. FIELD OF STUDY : Biochemistry of melanogenesis
2. TITLE / DESCRIPTION : Biochemical research of mammalian tyrosinase
3. INVESTIGATOR(S) : Dr. J. Vachtenheim
4. INSTITUTION : Research Institute for Tuberculosis and Respiratory Diseases
5. ADDRESS : Budinova 67, 180 00 Prague 8, Czechoslovakia
6. TELEPHONE : 818.21.48
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanogenesis, Melanin chemistry, Tyrosinase

CS11

1. FIELD OF STUDY : Cellular biology and pathology of melanoma
 2. TITLE / DESCRIPTION : Study of human melanoma cell lines, bank of human melanoma cell lines, cytogenetics of human melanoma cells, problems of induction of melanogenesis
 3. INVESTIGATOR(S) : Drs. M. Blasko, J. Siracky
 4. INSTITUTION : Cancer Research Institute of the SAV, Division of Human Tumours
 5. ADDRESS : Cs. armady 21, 812 32 Bratislava, Czechoslovakia
 6. TELEPHONE : 575.41
 7. FAX :
 8. COMMENTS :
9. KEY WORDS : Melanogenesis

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CS12

1. FIELD OF STUDY : Immunology of melanoma
 2. TITLE / DESCRIPTION : Monoclonal antibodies against human melanoma
 3. INVESTIGATOR(S) : Dr. J. Svec and co-workers
 4. INSTITUTION : Cancer Research Institute of the SAV, Division of Human Tumours
 5. ADDRESS : Cs. armady 21, 812 32 Bratislava, Czechoslovakia
 6. TELEPHONE : 575.41
 7. FAX :
 8. COMMENTS :
9. KEY WORDS : Immunology of melanoma

=====

CS13

1. FIELD OF STUDY : Immunology of melanoma
 2. TITLE / DESCRIPTION : Immunological diagnosis and immunotherapy of human malignant melanoma
 3. INVESTIGATOR(S) : Dr. P. Hausner
 4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Oncology
 5. ADDRESS : U nemocnice 2, 120 00 Prague 2, Czechoslovakia
 6. TELEPHONE : 2128-2219, 29.43.04
 7. FAX :
 8. COMMENTS :
9. KEY WORDS : Immunology of melanoma

CS14

1. FIELD OF STUDY : Biological and clinical research of melanoma
2. TITLE / DESCRIPTION : Biology, pathology, diagnosis, prognosis (detection of metastases), treatment (chemo- and immunotherapy) and epidemiology of human malignant melanoma
3. INVESTIGATOR(S) : Drs. Z. Mechl, B. Sopkova and co-workers
4. INSTITUTION : Cancer Research Institute
5. ADDRESS : Zlutý kopec 7, 600 00 Brno, Czechoslovakia
6. TELEPHONE : 310
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

=====
CS15

1. FIELD OF STUDY : Clinical research of melanoma
2. TITLE / DESCRIPTION : Histological diagnosis, prognosis, treatment and epidemiology of human malignant melanoma
3. INVESTIGATOR(S) : Drs. F. Vosmik, I. Krajsova
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Dermatology
5. ADDRESS : U nemocnice 2, 120 00 Prague 2, Czechoslovakia
6. TELEPHONE : 2128-2401, 29.00.45
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

=====
CS16

1. FIELD OF STUDY : Clinical research of melanoma
2. TITLE / DESCRIPTION : Treatment of human malignant melanoma - chemotherapy, radiotherapy, immunotherapy; oncogenes in melanoma
3. INVESTIGATOR(S) : Drs. J. Bauer, L. Sokol
4. INSTITUTION : Faculty of General Medicine, Charles University, Dept of Oncology
5. ADDRESS : U nemocnice 2, 120 00 Prague 2, Czechoslovakia
6. TELEPHONE : 2128-2219, 29.43.04
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

CS17

1. FIELD OF STUDY : Clinical research of melanoma

2. TITLE / DESCRIPTION : Diagnosis, prognosis, treatment and epidemiology of human malignant melanoma, immunology and immunotherapy of human malignant melanoma

3. INVESTIGATOR(S) : Dr. H. Duchkova and co-workers

4. INSTITUTION : Regional Hospital, Dept of Dermatology

5. ADDRESS : 400 00 Usti n/L, Czechoslovakia

6. TELEPHONE :

7. FAX :

8. COMMENTS :
In addition, there are at least 10 specialized (in each regional hospital of all 10 main districts in which our whole country is divided) where routine clinical diagnosis, treatment and epidemiology of human malignant melanoma takes place.
Since these 10 groups are devoted mainly to the routine medical practice and the research work (with exception of collection of epidemiological data) is limited, they are not included in this list.

9. KEY WORDS : Melanoma

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992

DK1

- 1. FIELD OF STUDY : Color research
- 2. TITLE / DESCRIPTION : Structure and light reflection of green feather of fruit doves (Ptilinopus spp) and an Imperial Pigeon (Ducula concinna)
- 3. INVESTIGATOR(S) : Dr. J. Dyck
- 4. INSTITUTION : Institute of Population Biology, University of Copenhagen
- 5. ADDRESS : Frue Plads, DK - 1168 Copenhagen K
- 6. TELEPHONE :
- 7. FAX :
- 8. COMMENTS : This study describes structures responsible for color production in feathers
- 9. KEY WORDS : Pigmentation, Photobiology

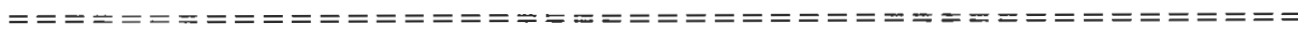
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DK2

- 1. FIELD OF STUDY : Epidemiology of melanoma
- 2. TITLE / DESCRIPTION :
The Dansk Case Control study of malignant melanoma of the skin : "The importance of risk factors".
- 3. INVESTIGATOR(S) : Dr. A. Osterlind
- 4. INSTITUTION :
- 5. ADDRESS :
- 6. TELEPHONE :
- 7. FAX :
- 8. COMMENTS : Risk factors studied :
 - host factors
 - UV light
 - hormones
 - food, alcohol, smoking, etc
- 9. KEY WORDS : Melanoma

DK3

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Diagnosis and treatment of melanoma
3. INVESTIGATOR(S) : Dr K.T. Drzewiecki
4. INSTITUTION : University Hospital Copenhagen, Dept of Plastic Surgery
5. ADDRESS : Frue Plads, DK - 1168 Copenhagen K
6. TELEPHONE :
7. FAX :
8. COMMENTS :
- Evaluation of tumour thickness and surgical procedures
- Dysplastic nevus syndrome
- Epidemiology Childhood melanoma - epidemiology
9. KEY WORDS : Melanoma



DK4

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Diagnosis and prognosis of melanoma
3. INVESTIGATOR(S) : Dr. K. Sondergaard
4. INSTITUTION : Roskilde Hospital, Dept of Pathology
5. ADDRESS : Postbusnummer 260, Marbjergvej 35, DK - 4000 Roskilde
6. TELEPHONE : 2-75.77.11
7. FAX :
8. COMMENTS : Clinico-pathological studies
9. KEY WORDS : Melanoma

DK5

- 1. FIELD OF STUDY : Ocular pigment cell biology
- 2. TITLE / DESCRIPTION : Particulary, study of malignant melanomas of the choroid
- 3. INVESTIGATOR(S) : G.A.Jensen
- 4. INSTITUTION : Eye Pathology Institute
University of Copenhagen
- 5. ADDRESS : Frederik V's Vej 11, 2100 Copenhagen Ý, Denmark
- 6. TELEPHONE : 35373222
- 7. FAX : 35371651
- 8. COMMENTS :
- 9. KEY WORDS : Eye

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DK6

- 1. FIELD OF STUDY : Pigmented lesions of the eye, eye region and orbit
- 2. TITLE / DESCRIPTION : Clinical, histopathological and experimental study of benign and malignant lesions in conjunctiva, iris and choroid.
Comparison of prognosis after enucleation and Ru/Rh plaque therapy of choroidal malignant melanomas, confirmed by transvitreo-retinochoroidal biopsy.
Imprint biopsy of conjunctival melanotic lesions.
Flow cytometric and AgNOR study of malignant melanomas.
Stereological measurement of nuclei in malignant choroidal melanomas.
- 3. INVESTIGATOR(S) : O.A.Jensen, J.U.Prause, JÝrgen K. Larsen, Flemming Brandt SÝrensen.
- 4. INSTITUTION : Eye pathology Institute, University of Copenhagen, The Flow Cytometry Group. The Finsen Laboratory, Rigshospitalet
Stereological Research Laboratory, University of Arthus.
- 5. ADDRESS : Frederik V's Vej 11, DK-2100 Copenhagen Ý, Denmark.
- 6. TELEPHONE : +45 31.37.32.22
- 7. FAX : 31.37.16.51
- 8. COMMENTS :
- 9. KEY WORDS : Eye

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**F1**

1. FIELD OF STUDY : Melanoma photobiology of pigment and pigment cell
2. TITLE / DESCRIPTION :
- Epidemiology of melanoma - Histopathology
- Melanoma xenographs
- Melanin (HPLC)
3. INVESTIGATOR(S) : J.P. Cesarini - MD
4. INSTITUTION : INSERM
5. ADDRESS : 25 Rue Manin, 75019 Paris, France
6. TELEPHONE : 33-1-48036948
7. FAX : 33-1-48036870
8. COMMENTS : Also pigmentology clinic (in Dermatology department same address)
9. KEY WORDS : Photobiology, Melanoma epidemiology, Histopathology

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F2

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Malignant melanoma prevention by solar protection. Pigmentation, Depigmentation.
3. INVESTIGATOR(S) : J.P. Cesarini, M. Msika, B. Goudarzi
4. INSTITUTION : Fondation Adolphe de Rothschild
Laboratoire de Recherche sur les Tumeurs de la peau humaine
5. ADDRESS : 25 rue Manin, 75019, France
6. TELEPHONE : 33 (1) 48 03 65 65
7. FAX : 33 (1) 48 03 68 70
8. COMMENTS :
9. KEY WORDS : Melanoma

F3

1. FIELD OF STUDY : Melanin synthesis, melanocyte culture, reconstructed skin
2. TITLE / DESCRIPTION : Mechanisms of pigmentation, keratinocyte-melanocyte interection
3. INVESTIGATOR(S) : Drs P. Giacomoni, P. Tachou, L. Marrot, C. Gausse
4. INSTITUTION : L'Oréal
5. ADDRESS : 90, rue du Général Roguet
92583 Clichy
6. TELEPHONE : 33-1-47.56.77.32
7. FAX : 33-1-47.56.75.27
8. COMMENTS :
9. KEY WORDS : Melanin chemistry, Melanocyte biology

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F4

1. FIELD OF STUDY : Melanogenesis
2. TITLE / DESCRIPTION : Molecular biology of melanogenic proteins
3. INVESTIGATOR(S) : Brigitte Bouchard
4. INSTITUTION : Hôpital St-Louis
5. ADDRESS : 1, avenue Claude Vellejoux
75010 Paris - France
6. TELEPHONE : 42.49.48.01
7. FAX : 42.49.48.01
8. COMMENTS :
9. KEY WORDS : Melanogenesis

F5

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Pathology of malignant melanoma and precursor lesions
Treatment and prevention, Immunology
Hormonal and genetic incidence
3. INVESTIGATOR(S) : M. Prade, P. Charpentier, C. Bognel, P. Duvillard, T. Hercend, M.F. Avril, J.C. Guillaume
4. INSTITUTION : Laboratoire d'Anatomie Pathologique, Institut Gustave Roussy
5. ADDRESS : Rue Camille Desmoulins, 94800 France
6. TELEPHONE : 33 (1) 45 59 44 64
7. FAX : 33 (1) 46 78 92 91
8. COMMENTS : Immunohistology with anti-melanoma antibodies
9. KEY WORDS : Melanoma

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F6

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Immunoscintigraphy of human melanoma (mice, human)
3. INVESTIGATOR(S) : B. Lahnèche
4. INSTITUTION : Departement de Médecine Nucléaire et de Radioprotection, Centre Léon Bérard
5. ADDRESS : 28 rue Laënnec, 69373 Lyon Cedex 08, France
6. TELEPHONE : 33 78 01 84 67
7. FAX : 33 78 74 46 15
8. COMMENTS :
9. KEY WORDS : Melanoma Immunoscintigraphy

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F7

1. FIELD OF STUDY : Pigmentation of human skin
2. TITLE / DESCRIPTION : In vitro reconstitution of artificial skin
3. INVESTIGATOR(S) : P. Giacomoni, C. Caussé
4. INSTITUTION : Laboratoire de Photobiologie, L'OREAL
5. ADDRESS : 1 avenue Eugène Schueller, 93600 Aulnay s/Bois, France
6. TELEPHONE : 33 (1) 48 68 98 46
7. FAX : 33 (1) 48 68 95 13
8. COMMENTS : Cellular interaction in epidermis. Pigment transfer.
9. KEY WORDS : Photobiology

- F8**
1. FIELD OF STUDY : Melanoma
 2. TITLE / DESCRIPTION :
Descriptive epidemiology of human melanoma
Analytical epidemiology of human melanoma
Surveillance of Environmental Aspects Related to Cancer in Humans
(SEARCH Program).
 3. INVESTIGATOR(S) : C.S. Muir, P. Boyle, R. Mc. Ginn, J. Little, P. Maisoneuve
 4. INSTITUTION : International Agency for Research on Cancer (WHO)
 5. ADDRESS : 150 cours Albert Thomas, 69008 Lyon, France
 6. TELEPHONE : 33 72 73 84 85
 7. FAX : 33 72 73 85 75
 8. COMMENTS :
 9. KEY WORDS : Melanoma epidemiology
- =====

- F9**
1. FIELD OF STUDY : Melanoma - Melanocytes
 2. TITLE / DESCRIPTION : Biology of melanocytes.
Human melanoma : ultrastructure, genetic, cytogenetic, immunology, immunotherapy.
Melanoma cell surface antigens : glycoproteins, glycolipids.
Experimental models of human melanoma metastases.
 3. INVESTIGATOR(S) : M. Bailly, S. Bertrand, O. Berthier - Vergnes, C. Dumontet, J. Portoukalian, J.F. Doré
 4. INSTITUTION : INSERM U. 218, Centre Léon Bérard
 5. ADDRESS : 28 rue Laënnec, 69373 Lyon Cedex 08, France
 6. TELEPHONE : 33 78 00 28 28
 7. FAX : 33 78 74 83 90
 8. COMMENTS : Melanoma, normal melanocytes culture
Melanoma immunotherapy
Monoclonal antibodies (selection)
 9. KEY WORDS : Melanoma biology

F10

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Epidemiology of melanoma
3. INVESTIGATOR(S) : H. Sancho - Garnier, L. Lé
4. INSTITUTION : INSERM U.287, Institut Gustave Roussy
5. ADDRESS : Rue Camille Desmoulins, 94805 Villejuif Cedex
6. TELEPHONE : 33 (1) 45 59 41 44
7. FAX : 33 (1) 46 78 74 30
8. COMMENTS :
9. KEY WORDS : Melanoma epidemiology

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F11

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Anti-melanoma monoclonal antibodies
Immunoscintigraphy
3. INVESTIGATOR(S) : J. Barbet, J.M. Doussal
4. INSTITUTION : Immunotech S.A
5. ADDRESS : Luminy, Case 915, 13288 Marseille Cedex 9, France
6. TELEPHONE : 33 91 41 41 38
7. FAX : 33 91 41 27 94
8. COMMENTS :
9. KEY WORDS : Melanoma Immunoscintigraphy

F12

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Pathology of human melanoma.
3. INVESTIGATOR(S) : C. Bailly
4. INSTITUTION : Service d'Histopathologie B et Oncologie Cutanée, Centre Léon Bérard
5. ADDRESS : 28 rue Laënnec, 69373 Lyon Cedex 08, France
6. TELEPHONE : 33 78 01 84 57
7. FAX : 33 78 74 46 15
8. COMMENTS :
9. KEY WORDS : Melanoma

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F13

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION :
Cutaneous cancer and pigmentation.
Human malignant melanoma : diagnosis, prognosis and treatment.
Metastases of malignant melanoma.
3. INVESTIGATOR(S) : C. Aubert, S. Ali-Mehidi, M. Barbo
4. INSTITUTION : INSERM U.119, Institut Paoli-Calmettes
5. ADDRESS : 27 boulevard Lei Roure, 13009 Marseille, France
6. TELEPHONE : 33 91 74 25 47
7. FAX : 33 91 26 03 64
8. COMMENTS : Experimental B16 metastatic - Nevi culture - UV Incidence - Ocular melanoma - Characterization
9. KEY WORDS : Melanoma, Neviculture, Eye

F14

1. FIELD OF STUDY : Crustacea / chromatophores
2. TITLE / DESCRIPTION :

Pigments :	Carotenoids pterins Ommochromes	
Pigment cells :	euchromatophores	-Erythrophores -Leucophores -Xanthophores
	Chromatosomes	
	Cuticle-producing pigment cells	
3. INVESTIGATOR(S) : Dr. Pierre Y. Woël
4. INSTITUTION : Laboratoire de biologie des Invertébrés Marins,
Museum National d'Histoire Naturelle
5. ADDRESS : 55, rue Buffon F-75005 Paris
6. TELEPHONE : 33 (1) 40 79 30 98
7. FAX : 33 (1) 40 79 34 84
8. COMMENTS : Morphology / Physiology / Biochemistry.
9. KEY WORDS : Pigment cell biology

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F15

1. FIELD OF STUDY : Human oculo-cutaneous albinism
2. TITLE / DESCRIPTION :
 - Field studies of Human oculo-cutaneous albinism mainly in Black Peoples in Africa (Cameroun, Niger) with emphasis on.
 - Genetical aspects - pedigrees, mode of inheritance, sex, ratio, overall prevalence.
 - Clinical aspects : skin and cancer, visual impairments.
 - Biological aspects : Molecular basis.
3. INVESTIGATOR(S) :

	Aquaron R., MD, Professor of Biochemistry
	Kamdem L., Technician.
4. INSTITUTION : Faculte of medecine
5. ADDRESS : 27, Boulevard Jean Moulin
13385 Marseille Cédex 5 France
6. TELEPHONE: 91 83 43 91
91 83 43 94
7. FAX : 91 38 50 33
8. COMMENTS : Studies of human oculo-cutaneous albinisme in white peoples in France are scheduled.
9. KEY WORDS : Eye, Pigmentary disorders

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**D1**

1. FIELD OF STUDY : Melanoma formation, genetics, pigment cell biology
2. TITLE / DESCRIPTION :
- Molecular biology and genetics of melanoma formation in Xiphophorus.
 - The functional role of receptor tyrosine kinases during pigment cell differentiation and in neoplastic transformation in analysed as well as the regulatory mechanisms which govern these processes
3. INVESTIGATOR(S) : M. Scharl
4. INSTITUTION : Biocenter of the University of Würzburg, physiological chemistry
5. ADDRESS : Am Hubland, D - 8700 Würzburg, Germany
6. TELEPHONE : (931) 888-4148
7. FAX : (931) 888-4150
8. COMMENTS :
9. KEY WORDS : Melanoma, Pigment cell biology

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D2

1. FIELD OF STUDY : Mechanisms of melanin biosynthesis
2. TITLE / DESCRIPTION : Quinones, Quinone methioles, Amino acids, Chemistry, Biochemistry
3. INVESTIGATOR(S) : Peter M.G., Prof. Dr.
4. INSTITUTION : University of Bonn
Organic chemistry and Biochemistry
5. ADDRESS : Gerhard-Domagk str. 1, D - 5300, Bonn 1, Germany
6. TELEPHONE : (0228) 73 5589
7. FAX : (0228) 44 4437
8. COMMENTS :
9. KEY WORDS : Melanin chemistry

D3

1. FIELD OF STUDY : Origin of melanoma in the tiphophorus model
2. TITLE / DESCRIPTION :
 - a) Oncogenes, suppressor genes and further tumor determinants.
 - b) Genetic basis of susceptibilisation and initialisation.
 - c) Provocation of initiation, promotion/progression and regression.
 - d) Retroviruses and retrotransposons as presumable tumor determinants.
 - e) Non-Mendelian inheritance of susceptibility.
 - f) Contributions to a general concept of neoplasia
3. INVESTIGATOR(S) : F. Anders, A. Anders
4. INSTITUTION : Genetisches Institut der Justus Liebig-Universität
5. ADDRESS : D - 6300 Giessen, Heinrich-Buff-Ring 58-62
6. TELEPHONE : 0641 74438
7. FAX : 0641 702 5903
8. COMMENTS :
9. KEY WORDS : Melanoma

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D4

1. FIELD OF STUDY : Malignant melanoma
Congenital nevi
2. TITLE / DESCRIPTION : a) Epidemiology, early diagnosis, treatment
b) Treatment
3. INVESTIGATOR(S) : Dr R. Rompel
4. INSTITUTION : Hautklinik, Städtische kliniken Kassel
5. ADDRESS : Mönchebergstr 41-43, D - 3500 Kassel, Germany
6. TELEPHONE : 0561/ 980-3301
7. FAX : 0561/ 980-6976
8. COMMENTS :
9. KEY WORDS : Melanoma, Nevus

D5

1. FIELD OF STUDY : Pigment cell biology, radiation biology, malignant melanoma (Preclinical and Clinical)
2. TITLE / DESCRIPTION :
3. INVESTIGATOR(S) : Ralf U. Peter, Dr. Med.
4. INSTITUTION : 1- Dept of Dermatology Ludwig-Maximilians - University of Munich
2- Institute of Radiobiology FAF Medical Academy
5. ADDRESS : Frauenlobstraße 9-11
D - 8000 Munich 2
Neuhenbergstr. 11
D - 8000 Munich 45
6. TELEPHONE : 089-5160-4688 089-3168-3897
7. FAX : 089-5160-4664 089-3168-3395
8. COMMENTS :
9. KEY WORDS : Pigment cell biology, Melanoma

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D6

1. FIELD OF STUDY :
2. TITLE / DESCRIPTION :
- 1- Vitiligo and other depigmentation disorders: clinic and molecular biology
2- Melanoma: clinic and molecular biology
3- the role of calcium in pigmentation (beta2-adenocepton, catecholamines, thioxdoxin reductase)
4- Free radical mechanisms in the epidermis
3. INVESTIGATOR(S) : Dr K.U. Scallreuter
Pr J.M. Wood
4. INSTITUTION : Dept of Dermatology
5. ADDRESS : Martinstraße 52
D - 2000 Hamburg 20, Germany
6. TELEPHONE : 040-4717-4248
7. FAX : 040-4717-4248
8. COMMENTS :
9. KEY WORDS : Pigmentary disorders, Melanoma, Pigment cell biology

D7

1. FIELD OF STUDY : Human malignant melanoma
2. TITLE / DESCRIPTION :
Tumor associated antigens as prognostic factors in primary human melanomas.
Some tumor associated antigens of primary human melanomas correlate with the risk of metastatic spread. We want to find out if the prognostic in human melanoma can be more accurately evaluated if tumor cell antigens are determined in addition to other well known prognosticators (thickness, sex, localisation, mitotic index). Tests are done with monoclonal antibodies on frozen sections of primary melanomas. Moreover we want to compare prognostic information obtained by our immune histological tests and by pulse cytophotometric data that are determined in a parallel project in the same institution.
3. INVESTIGATOR(S) : Prof. Dr. L. Suter, Dr. H. Ostmeier, Dr.B. Fuchs.
Cooperation with: Dr F. Otto (Frachklinik Hornheide),
Prof. Dr. E.B. Bröcker and Prof. Dr. C. Sorg
(Universitätshautklinik Münster)
4. INSTITUTION : Fachklinik Hornheide (University of Münster)
5. ADDRESS : Dorbaumstrasse 300, D-4400 Münster (Germany)
6. TELEPHONE : 0251 / 3287410
7. FAX :
8. COMMENTS : The project, supported by the Deutsche Krebshilfe, has been started in 1987. So far we could confirm earlier data suggesting that some melanoma associated antigens are of prognostic importance.
Follow up of our patients for another 5-7 years is necessary before our data can be finally evaluated.
9. KEY WORDS : Melanoma prognosis, Melanoma progression

D8

1. FIELD OF STUDY : Experimental oncology
2. TITLE / DESCRIPTION :
Evaluation of prognostic factors in malignant melanoma.
Flow cytometric measurements of the cellular DNA content are used to establish criteria for the prognostic evaluation of malignant melanomas. The DNA index allows the detection and characterization of aneuploid tumor cell lines. The S-phase fraction defines the proliferative activity of the tumor cells. In primary melanomas aneuploidy and high S-phase fractions indicate a bad prognosis.
Sequential measurements are performed to obtain informations on the genetic stability or instability of the tumors. High genetic instability seems to be correlated with increased aggressiveness of the tumor and may have prognostic significance in metastatic melanomas.
3. INVESTIGATOR(S) : Dr. F.J. Otto, Dr. J. Schumann, H. Hölpert, C. Bode
4. INSTITUTION : Fachklinik Hornheide, Dept. of Experimental Oncology
5. ADDRESS : Dorbaumstraße 300, 4400 Münster
6. TELEPHONE: 0251 / 3287650
7. FAX :
8. COMMENTS : High resolution of the flow cytometric histogram is required for the detection of minor deviations in DNA content and accurate calculation of the S-phase fractions of tumor cells.
9. KEY WORDS : Melanoma prognosis

D9

1. FIELD OF STUDY : Influence of free radicals on pigmentation and tumorigenesis in vivo and in vitro.
2. TITLE / DESCRIPTION :
 1. The role of different free radical defense mechanisms in
 - a) the human epidermis
 - b) primary and metastasized melanoma
 - c) Vitiligo, albinism and Xeroderma pigmentosum
(Thioredoxinreductase/thioredoxin-system; Glutathione-Glutathionereductase/Glutathione peroxidase-system; Catalase; Superoxiddismutase; Indolamine - 2,3 - Dioxygenase)
 2. The influence of calcium in the regulation of the redox-status of the epidermis and in melanoma.
 3. Pharmakokinetic influences in the regulation of the mechanism described und 1 and 2.
3. INVESTIGATOR(S) : Karin U. Schallreuter, MD.
4. INSTITUTION : University of Hamburg.
Department of Dermatology.
5. ADDRESS : Martinistraße 52, 2000 Hamburg 20, Germany.
6. TELEPHONE : 040- 468-4248
7. FAX : 040- 468-4951
8. COMMENTS :
9. KEY WORDS : Melanoma, pigment cell biology

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D10

1. FIELD OF STUDY : Human cutaneous melanoma
2. TITLE / DESCRIPTION : Identification and characterization of molecules expressed at different stages in the development of malignant melanoma and its progression to metastatic disease.
3. INVESTIGATOR(S) : Judith P. Johnson
4. INSTITUTION : Institute for Immunology of the University of Munich
5. ADDRESS : Goethestrasse 31, 8000 Munich 2, Germany
6. TELEPHONE : 0049-89-5996-660
7. FAX : 0049-89-5160-2236
8. COMMENTS :
9. KEY WORDS : Melanoma

D11

1. FIELD OF STUDY : Malignant melanoma

2. TITLE / DESCRIPTION : Growth dynamics of malignant melanoma.

3. INVESTIGATOR(S) : Prof. Dr. med. Eberhard Paul

4. INSTITUTION : Hautklinik, am Klinikum Nürnberg

5. ADDRESS : Flurstr. 17, 8500 Nürnberg

6. TELEPHONE : 0911-398-2460

7. FAX :

8. COMMENTS :

9. KEY WORDS : Melanoma

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D12

1. FIELD OF STUDY : Malignant melanoma

2. TITLE / DESCRIPTION : Early detection of malignant melanoma. Efficacy public and professionell education

3. INVESTIGATOR(S) : Prof. Dr. med. Eberhard Paul

4. INSTITUTION : Hautklinik, am Klinikum Nürnberg

5. ADDRESS : Flurstr. 17, 8500 Nürnberg

6. TELEPHONE : 0911-398-2460

7. FAX :

8. COMMENTS :

9. KEY WORDS : Melanoma

D13

1. FIELD OF STUDY : Molecular biology and genetics of melanoma
2. TITLE / DESCRIPTION : Molecular analysis of genetic factors involved in melanoma induction and progression in Xiphophorus fish.
Growth factor, receptor and signal transduction in normal and neoplastically transformed pigment cells.
3. INVESTIGATOR(S) : Prof. Dr. Manfred Scharl
4. INSTITUTION : Genzentrum, Biocenter, University Würzburg
5. ADDRESS : Theodor Boveri Weg, Am Hubland, W-8700 Würzburg, Fed. Rep. Germany.
6. TELEPHONE : 49 9318884149
7. FAX : 49 9318884113
8. COMMENTS :
9. KEY WORDS : Melanoma

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D14

1. FIELD OF STUDY : In vitro drug sensitivity testing
2. TITLE / DESCRIPTION : Sensitivity testing of various treatment modalities including cytostatic and hormonal agents, biomodulators \pm gamma-irradiation, modulation of drug resistance, phenotyping of melanoma cells using proliferation assays in
- established melanoma stem cell lines as well as
- short term tissue cultures with fresh tumor material
3. INVESTIGATOR(S) : U.R. Kleeberg, G.Arps, E. Engel, R. Versteeg
4. INSTITUTION : HOPA - Hämatologisch-onkologische Praxis Altona
5. ADDRESS : Max-Brauer-Allee 52, D - 2000 Hamburg 50
6. TELEPHONE : (040) - 38021232
7. FAX : (040) - 38021215
8. COMMENTS : Close collaboration with the
**EORTC-Melanoma Cooperative Group and
European Melanoma Group**
9. KEY WORDS : Melanoma cell culture, Drug resistance (melanoma), Proliferation (melanoma)

D15

1. FIELD OF STUDY : Malignant melanoma

2. TITLE / DESCRIPTION : Diagnosis and Therapy
Chemistry of Pheomelanin

3. INVESTIGATOR(S) : Prof. Dr. H. Ippen, Dipl. Chem.
Dr. Phil. A. Seibert
Dr. Med. K. Kölmel

4. INSTITUTION : Kliniken der Universität Göttingen - Hautklinik und Poliklinik

5. ADDRESS : D 34 Göttingen, v.- Siebold-Str.3
Fernruf 05 51/396400/01

6. TELEPHONE : 49-551-396092

7. FAX :

8. COMMENTS :

9. KEY WORDS : Melanoma

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992

IND1

1. FIELD OF STUDY : Vitiligo

2. TITLE / DESCRIPTION : Pathological varieties of melanocytes in vitiligo lesions

3. INVESTIGATOR(S) : Drs. B. Tyengar, B.S. Misra

4. INSTITUTION : Institute of Pathology

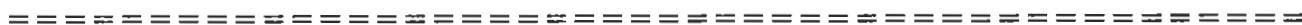
5. ADDRESS : ICMR, New Delhi, India

6. TELEPHONE :

7. FAX :

8. COMMENTS :

9. KEY WORDS : Pigmentary disorders



IND2

1. FIELD OF STUDY : Vitiligo

2. TITLE / DESCRIPTION : Clinical studies of incidence and treatment of vitiligo

3. INVESTIGATOR(S) : Prof. P.N. Behl

4. INSTITUTION : Institute of Dermatology

5. ADDRESS : New Delhi, India

6. TELEPHONE :

7. FAX :

8. COMMENTS :

9. KEY WORDS : Pigmentary disorders

IND3

1. FIELD OF STUDY : Tyrosinase
2. TITLE / DESCRIPTION : Role of pH in regulation of tyrosinase activity
3. INVESTIGATOR(S) : Prof. A. Ramaiah, Drs. M. Majambar, N. Puri, C.C. Devi, R.K. Tripatti
4. INSTITUTION : All India Institute of Medical Sciences
5. ADDRESS : New Delhi, 110029 India
6. TELEPHONE : 661123 / 434-419-207
7. FAX : 011-6863153
8. COMMENTS :
9. KEY WORDS : Tyrosinase

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IND4

1. FIELD OF STUDY : Melanocyte culture
2. TITLE / DESCRIPTION : Comparison of growth behaviour of normal and vitiligo melanocytes and their response to growth factors
3. INVESTIGATOR(S) : Prof. A. Ramaiah, Drs. M. Majamdar, N. Puri, C.C. Devi, R.K. Tripatti
4. INSTITUTION : All India Institute of Medical Sciences
5. ADDRESS : New Delhi, 110029 India
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanocyte culture

INDS

1. FIELD OF STUDY : Vitiligo
2. TITLE / DESCRIPTION : Indole excretion patterns in vitiligo
3. INVESTIGATOR(S) : Drs. D.P. Chakraborti, S.K. Chowdury, R.N. Dey, A. Chatterjee
4. INSTITUTION : Bose Institute
5. ADDRESS : Calcutta, India
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Pigmentary disorders

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**Rn**

1. FIELD OF STUDY : Malignant melanoma

2. TITLE / DESCRIPTION : Malignant melanoma of the skin: some histopathological aspects and its prognostic value.

3. INVESTIGATOR(S) : Achmad Tjarta

4. INSTITUTION : Department of anatomic pathology, faculty of medicine University of Indonesia.

5. ADDRESS : Jl. Salemba Raya 6
Tromolpos 3225
Jakarta 10002, Indonesia

6. TELEPHONE : (021) 330487

7. FAX : (021) 334465

8. COMMENTS : Published in Indonesian Journal of Oncology, 1992; 3, 1: 6

9. KEY WORDS : Melanoma histopathology

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**IIA**

1. FIELD OF STUDY : Melanoma research / biochemistry
2. TITLE / DESCRIPTION : We study the MSH receptor molecule and signal transduction pathways as well as tumor metabolism by standard biochemical and NMR spectroscopic techniques. We developed diagnostic approaches based on MRI and develop a novel class of site directed photodynamic agents.
3. INVESTIGATOR(S) : Professor Yoram Salomon
4. INSTITUTION : Department of Hormone Research
the Weizmann Institute of Science
5. ADDRESS : Rehovot 76100, Israel
6. TELEPHONE : 972-8-343930 / 343470 / 343920
7. FAX : 972-8-344116
8. COMMENTS :
9. KEY WORDS : MSH, MSH receptors

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**n**

1. FIELD OF STUDY : Melanoma - pigmented lesions - vitiligo
2. TITLE / DESCRIPTION :
Adhesion molecules in melanotic lesions
Phenotype of reactive infiltrate in regressing melanoma
Angiogenesis in melanoma
Vitiligo in melanoma
3. INVESTIGATOR(S) : Silvia Moretti, M.D., Cinzia Pinzi, M.D.,
Laura Martini, M.D., Benvenuto Giannotti, M.D.
4. INSTITUTION : Clinica Dermatologica II
Universita di Firenze
5. ADDRESS : Via Bella Pergola 58, 50121 Firenze, Italy
6. TELEPHONE : 39/55/2478356
7. FAX : 39/55/2347374
8. COMMENTS :
9. KEY WORDS : Melanoma progression, Pigmentary Disorders

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D

1. FIELD OF STUDY : Melanogenesis - tyrosinase
2. TITLE / DESCRIPTION : Morphofunctional aspects of melanogenesis
Tyrosinase biochemistry and mutagenesis
3. INVESTIGATOR(S) : Miranda Michele, Amicarelli Fernanda, Poma Anna, Bonfigli
Antonella, Zarivi Osvaldo
4. INSTITUTION : University of l'Aquila - Italy
Dept cell Biology and Physiology
5. ADDRESS : I - 67010 Coppito l'Aquila - Italy
6. TELEPHONE : 0862- 4332 64/ - 62
7. FAX : 0862- 4330 03
8. COMMENTS :
9. KEY WORDS : Pigment cell biology, Mutagenesis

13

1. FIELD OF STUDY : Biophysics of melanin
2. TITLE / DESCRIPTION : Structure, growth and aggregative properties by photon correlation spectroscopy and FTIR
6. INVESTIGATOR(S) : M.G. Bridelli, A. Vecchi, S. Losi
4. INSTITUTION : Univ of Parma - Dept of Physics
5. ADDRESS : v.le Scienze
I - 43100 Parma, Italy
6. TELEPHONE : 521 / 905256
7. FAX : 521 / 905223
8. COMMENTS :
9. KEY WORDS : Melanin
- =====

14

1. FIELD OF STUDY : Biophysics of melanins
2. TITLE / DESCRIPTION : Structure and optical and electronic properties by time-resolved laser optoacoustic spectroscopy and solid state techniques
3. INVESTIGATOR(S) : P.R. Grippa, A. Losi and C. Viappiani
4. INSTITUTION : Dept of Physics, University of Parma
5. ADDRESS : Viale delle Scienze, 43100 Parma, Italy
6. TELEPHONE : 521-905256
7. FAX : 521-905223
8. COMMENTS :
9. KEY WORDS : Melanin

15

- 1. FIELD OF STUDY : Cytogenetics and molecular genetics on melanocytic neoplastic or preneoplastic diseases
- 2. TITLE / DESCRIPTION :
 - * P Grammatico... G Del Porto: Effect of azelaic acid on viability, ultrastructure and karyotype of melanoma cells in long term culture. The Cancer Journal 4,39-44, 1991
 - * P Grammatico... G Del Porto: Human malignant melanoma. Significance of chromosomal abnormalities. Cancer Genetics and Cytogenetics 48, 237-242,1990.
 - * P Grammatico... G Del Porto: Lentigo maligna. Cytogenetic, ultrastructural and phenotypic characterization of a primary cell culture. Canc Gen Cytog 60; 141-146, 1991
 - * P Grammatico... G Del Porto: Cytogenetic findings in 20 melanomas. Mel Res in press
 - * P Grammatico... G Del Porto. Karyotype modifications in human malignant melanoma cell cultures after treatment with azelaic acid. Mutation Research in press
- 3. INVESTIGATOR(S) : P. Grammatico, F. Rocella, M. Rocella, B. Grammatico, C. De Bernardo
- 4. INSTITUTION : Cattedra di Genetica medica Universita di Roma "La Sapienza"
- 5. ADDRESS : Cattedra di Genetica Medica c/o Osp. I. Spallanzani, Via Portuense n. 292, I - 00149 Rome, Italy
- 6. TELEPHONE : 06-5584865/5581853
- 7. FAX : 06-5582227
- 8. COMMENTS : We are fully available for further collaborations
- 9. KEY WORDS : Melanoma, Lentigo maligna, Dysplastic Nevi

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16

- 1. FIELD OF STUDY : Cytogenetics and molecular genetics on melanocytic neoplastic or preneoplastic diseases
- 2. TITLE / DESCRIPTION : See above
- 3. INVESTIGATOR(S) : G. Del Porto, K. Steindl, C. Di Rosa, S. Piatti
- 4. INSTITUTION : Cattedra di Genetica medica Universita di Roma "La Sapienza"
- 5. ADDRESS : Cattedra di Genetica Medica c/o Osp. I. Spallanzani, Via Portuense n. 292, I - 00149 Rome, Italy
- 6. TELEPHONE : 06-5584865/5581853
- 7. FAX : 06-5582227
- 8. COMMENTS : We are fully available for further collaborations
- 9. KEY WORDS : Melanoma

17

1. FIELD OF STUDY : Melanin
2. TITLE / DESCRIPTION : Properties of opio-melanins
3. INVESTIGATOR(S) : Rosei M.A., Mosca L., De Marco C.
4. INSTITUTION : Dipartimento di scienze Biochimiche
5. ADDRESS : Piazza moro universita la sapienza
I - 00185 Rome, Italy
6. TELEPHONE : 06-491198
7. FAX : 06-4440062
8. COMMENTS :
9. KEY WORDS : Opio-Melanin

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18

1. FIELD OF STUDY : Embriology of the skin
2. TITLE / DESCRIPTION : Melanocyte migration to the skin
3. INVESTIGATOR(S) : Serri F., Cellemo L., Cerimele D.
4. INSTITUTION : Eerito di clinica dermatologica
Universita cattolica S.C.
5. ADDRESS : Via Castiglione del Lago, 3
I - 00191 Rome, Italy
6. TELEPHONE : 06-3385451
7. FAX : 06-3016293
8. COMMENTS :
9. KEY WORDS : Embriology

D

1. FIELD OF STUDY : Pigmentation of domestic mammals:
 (1) Biochemical determination of melanins
 (2) Genetic analysis: segregation data and molecular mapping.
2. TITLE / DESCRIPTION :
 Programs in progress: (1) Segregation analysis and biological description of some pigmented phenotypes in cattle (*Bos taurus*); (2) Pigmentation of alpaca (*Lama glama pacos*) and lama (*Lama glama glama*): list of pigmented phenotypes; biological description of every phenotype; segregation analysis of crossing data; molecular mapping of some identified loci.
3. INVESTIGATOR(S) : Renieri Carlo
4. INSTITUTION : Facolta di Medicina veterinaria - Universita di camerino
5. ADDRESS : Via Fidanza s.n.c.
 I - 62024 Matelica (MC), Italy
6. TELEPHONE : 737-787287
7. FAX : 737-40298
8. COMMENTS : The program of alpaca and ilama pigmentation analysis is financed by EEC and is actualy realised in Argentina; a similar program has been presented at the EEC for the Peru.
9. KEY WORDS : Melanin

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- no**
1. FIELD OF STUDY : Melanins and other pigments.
 Extracutaneous melanosomogenesis, functions of melanins and other pigments
2. TITLE / DESCRIPTION : Ultrastructure of pigment cells, chemistry and molecular studies on melanins and other pigments
3. INVESTIGATOR(S) : Professors G. Sichel, C. Corsaro, Drs F. Sinatra, A. Agodi
4. INSTITUTION : Istituto di Biologia Generale-Universita
5. ADDRESS : Via Androne, 81
 95124 Catania, Italy
6. TELEPHONE : 095-31.61.27
7. FAX : 095-31.01.24
8. COMMENTS :
9. KEY WORDS : Melanin, Melanogenesis, Pigment cell biology

m

1. FIELD OF STUDY : Melanogenesis, melanin chemistry, melanoma chemotherapy
2. TITLE / DESCRIPTION :
 - a) Synthesis and oxidative polymerization of 5,6 dihydroxyindoles
 - b) Oxidative metabolism of catecholamines in relation to the structure and biosynthesis of neuromelanin(s)
 - c) New methods for characterization of natural and biosynthetic melanin
 - d) New skin depigmenting agents
 - e) Mechanism of skin hyperpigmentation induced by psoralens-UV light
3. INVESTIGATOR(S) : Professors G. Prota, G. Misuraca, M. d'Ischia, Drs A. Palumbo, O. Crescenzi, A. Napolitano, C. Costantini, D. Mascagna
4. INSTITUTION : Dept of Organic and Biological Chemistry, University of Naples
5. ADDRESS : Via Mezzocannone, 16
80134 Naples , Italy
6. TELEPHONE : 39-81-704.12.49
7. FAX : 39-81-552.12.17
8. COMMENTS :
9. KEY WORDS : Melanin, Melanogenesis

m2

1. FIELD OF STUDY : Pigmentation of coat of domestic mammals.
2. TITLE / DESCRIPTION :
 - Biochemical analysis of melanins (HPLC methods)
 - Electron microscope observation of melanocytes and melanosomes
 - Colorimetric description of hair (munsell colour chart)
 - Segregation analysis of coat colour patterns
 - Population genetic studies of coat colour genes
3. INVESTIGATOR(S) : Prof. Carlo Renieri*
Prof. Piero Ceccarelli**
4. INSTITUTION : * Ist.Produzioni animali/** Ist. Anatomia veterinaria
facolta' di medecina veterinaria
5. ADDRESS : Via s. costanzo 4 - 06100 Perugia - Italy
6. TELEPHONE : Prof. Renieri (75) - 585 4504
Prof. Ceccarelli (75) - 585 4433
7. FAX :
8. COMMENTS : Some publications (Renieri et al.)
 - Quantitative analysis of eumelanins and pheomelanins in hair of cattle with different pigmentation genotypes; XXI isabr, Torino, 1988.
 - Typing and quantitative determination of melanins in hair of horses with different pigmentation genotypes. IX aspa.
 - Studies on fiber quality and coat colour in alpaca; IX aspa
 - Colorimetric analysis and melanins quantitative determination in hair of goat with different pigmentation genotypes. Int. Symp. Prod. Hides, Skins, Wool and Hair, 1991.
 - Frequencies of fleece color genes in upper visso sheep. Small ruminant research, 1989 2, 175-180.
9. KEY WORDS : Coat colour, Melanin

n3

1. FIELD OF STUDY : Mass spectrometry of melanins and melanogenesis intermediates.

2. TITLE / DESCRIPTION :

Different Mass spectrometric approaches are employed for structural investigations on synthetic and naturally-occurring melanins and on melanogenesis intermediates. Among these:

 - i) different ionisation methods (EI, CI, FAB);
 - ii) different hyphenated methods (GC/MS, Pyrolysis GC/MS, SFC/MS)
 - iii) metastase ion studies and collision spectroscopy (MS/MS)

3. INVESTIGATOR(S) : * Allegri G., Costa C., Biasiolo M., Bertazzo A., Pozzan A.
°P. Traldi, R. Seraglia, S. Catinella, O. Curcuruto, D. Favretto

4. INSTITUTION : * Dip. Scienze Farmaceutiche, Universita' di Padova
°CRN, Area di Ricerca di Padova

5. ADDRESS : * Via Marzolo 5 - 35131 Padova - Italy
°Corso Stati Uniti 4 - 135100 Padova - Italy

6. TELEPHONE : * 49/8311649 ° 49/845436
7. FAX : * 49/831660 ° 49/845449

8. COMMENTS :

9. KEY WORDS : Melanin biosynthesis, Melanin structure

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992

NL1

1. FIELD OF STUDY : Vitiligo
Immunology
Greying of hair
COMT
2. TITLE / DESCRIPTION :
3. INVESTIGATOR(S) : Wiete Westerhof, Nico Smit, Neelu Puri, Caroline Lepoole,
Bart Nanninga, Bramien Boersma
4. INSTITUTION : Departement of Dermatology, AMC University of Amsterdam
5. ADDRESS : Meibergdreef 9
NL - 1105 A2 Amsterdam, Netherlands
6. TELEPHONE : 31-20-5662757
7. FAX : 31-20-5664440
8. COMMENTS :
9. KEY WORDS : Pigmentary disorders, Hair greying

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NL2

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Study of catechol-O-methyltransferase (COMT) as a sensitive
target for the destruction of malignant melanocytes
3. INVESTIGATOR(S) :
Staff : Drs. W. Westerhof, S. Pavel, N. Smit
4. INSTITUTION : Academic Medical Center
University of Amsterdam
Dept of Dermatology
5. ADDRESS : Meibergdreef 9, NL - 1105 AZ Amsterdam
6. TELEPHONE : 20-566.27.57 or 566.91.11
7. FAX : 20-566.44.40
8. COMMENTS : Inhibitions of COMT will be studied in vitro and in animals
bearing transplantable melanomas.
9. KEY WORDS : Melanoma targeting

NL3

1. FIELD OF STUDY : Photodermatology
2. TITLE / DESCRIPTION : Human melanocytes
The effect of eu- or pheomelanin on the effect of UV radiation on skin cells
3. INVESTIGATOR(S) : Drs K. Noz, Drs S. De Leeuw, Dr A.A. Schothorst
4. INSTITUTION : Department of Dermatology, University Hospital Leiden
5. ADDRESS : Rijnsburgerweg 10
NL - 2333 AA Leiden, The Netherlands
6. TELEPHONE : 071-263031
7. FAX : 071-214654
8. COMMENTS : The subject UV-skin melanins has until now in the ESPCR only a very small attention
9. KEY WORDS : Photobiology

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NL4

1. FIELD OF STUDY : Melanin metabolism
Melanoma cytotoxicity
2. TITLE / DESCRIPTION : The importance of methylation of melanin precursors by the enzyme catechol-o-methyl-transferase (COMT)
Interference in melanogenesis making use of tyrosine analogues and catecols to induce melanoma cytotoxicity
3. INVESTIGATOR(S) : Nico PM Smit, Stan Pavel, Wiete Westerhof
4. INSTITUTION : Academic Medical Center
Dept of Dermatology, Laboratory
5. ADDRESS : Neurozintuigen K2-210, Meibergdreef 9,
NL - 1105 AZ, Amsterdam, The Netherlands
6. TELEPHONE : 31-020-5662656
7. FAX : 31-020-5664440
8. COMMENTS :
9. KEY WORDS : Melanogenesis, Melanoma targeting

NLS

1. FIELD OF STUDY : The effect of UV radiation on melanogenesis, DNA damage and repair in normal and atypical (dysplastic) naevus cells

2. TITLE / DESCRIPTION :

the damaging effect of UV radiation and DNA repair ability is studied in cell cultures of normal and atypical naevus cells. The cell cultures of normal skin melanocytes serve as a control. Also the manipulation of eu-and phaeomelanogenesis and its effect on UV-related damage and repair in the mentioned cell culture systems is under investigation.

3. INVESTIGATOR(S) : K. Noz, W. Bergman, S. Pavel

4. INSTITUTION : Department of Dermatology

5. ADDRESS : University Hospital

P.O. Box 9600

NL - 2300 RC Leiden, The Netherlands

6. TELEPHONE : 31-71-263930

7. FAX : 31-71-144348

8. COMMENTS :

9. KEY WORDS : Photobiology

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NL6

1. FIELD OF STUDY : (1) Uveal melanoma
(2) Conjunctival melanoma

2. TITLE / DESCRIPTION :

- (1) a: Immunohistochemistry on histological Specimens
- b: Immunohistochemistry on in-vitro cultured uveal melanomas
- c: experimental studies on photodynamic therapy in animal model
- d: Clinical therapeutic experiments with improved-hyperthermia of $\pm 60^{\circ}\text{C}$
- e: Follow-up studies after enucleation versus rhuthenium-plaque irradiation
- (2) a: follow-up study nation-wide.
- b: Therapeutic regimens protocols for prospective studies with EORTC

3. INVESTIGATOR(S) : (1) Dr Martine Japer, Itte de Waard-Siebinga, Jeanette Kool, Floor Kenih, Dr Hans Schmitmaker, Hanneke Journee-de korver, Prof Oosterhuis, Dr Didicle Woelf-Rovendaal
(2) Dr Didicle Woelf-Rovendaal, Dr R.J.W. de Keizer

4. INSTITUTION : Afdeling Oogheelkunde, Academisch Ziekenhuis

5. ADDRESS : Postbus 9600

NL - 2300 RC Leiden, The Netherlands

6. TELEPHONE : 31-71-263086

7. FAX : 31-71-157258

8. COMMENTS :

9. KEY WORDS : Melanoma

NL7

- 1. FIELD OF STUDY : Clinical dermatology
- 2. TITLE / DESCRIPTION : Acquired hypopigmentation of the trunk
- 3. INVESTIGATOR(S) : He Menke, W Westerhof
- 4. INSTITUTION : Dermatology Dept, Sint Franciscus Gasthuis
- 5. ADDRESS : Kleiweg 500
NL - 3045 PM, Rotterdam, The Netherlands
- 6. TELEPHONE : 010-4616127
- 7. FAX :
- 8. COMMENTS :
- 9. KEY WORDS : Pigmentary disorders

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NL8

- 1. FIELD OF STUDY : Melanoma
- 2. TITLE / DESCRIPTION : Ocular melanoma
- 3. INVESTIGATOR(S) : Drs. D. de Wolff-Rouendaal, H. Kakebeeke, D.F. Schaling, N.A.P. Franken, H. Schuitmaker, T. Römer, M. Jager
- 4. INSTITUTION : Academic Hospital, University of Leiden
Dept of Ophthalmology, P.O. Box 9600
- 5. ADDRESS : NL - 2300 RC Leiden
- 6. TELEPHONE : 71-269 111 / 71-263 086
- 7. FAX :
- 8. COMMENTS : The research can be divided in : a) clinical studies (local ruthenium irradiation); b) clinical pathological studies (10-year follow-up after eye enucleation); c) experimental animal studies and in vitro studies (hyperthermia, photodynamic therapy, immuno-drug targeting).
- 9. KEY WORDS : Eye

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NL9

- 1. FIELD OF STUDY : Photobiology
- 2. TITLE / DESCRIPTION : Induction of pyrimidine dimers in cultivated human melanocytes and dysplastic nevus cells after UV irradiation.
- 3. INVESTIGATOR(S) : Drs. A.A. Schothorst, K. Noz, L.M. Evers, L. Roza, J.W.I.M. Simons
- 4. INSTITUTION : Academic Hospital, University of Leiden
Dept of Dermatology, P.O. Box 9600
- 5. ADDRESS : NL - 2300 RC Leiden
- 6. TELEPHONE : 71-263 031
- 7. FAX : 71-213152
- 8. COMMENTS : The estimation of thymine after dimer formation is carried out with T4 endonuclear and with a monoclonal antibody for pyrimidine dimers.
- 9. KEY WORDS : Photobiology

NL10

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Linkage studies in families with dysplastic nevus syndrome (Farn-DNS)
3. INVESTIGATOR(S) : Drs. W. Bergman, R. Frants, M. Crijns
4. INSTITUTION : Academic Hospital Leiden, Depts of Dermatology and Human Genetics
5. ADDRESS : P.O. Box 9600, NL - 2300 RC Leiden
6. TELEPHONE : 71-263 031 -262 497
7. FAX : 71-142588
8. COMMENTS :
9. KEY WORDS : Melanoma, Dysplastic nevus

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NL11

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Diagnosis and prognosis of melanocytic lesions
3. INVESTIGATOR(S) : Drs. D. Ruiter (Nijmegen), F. Lejeune (Brussels), U. Kleeberg (Hamburg), E. Bröcker (Münster), S. Carrel (Lausanne), J-F. Doré (Lyon), J. Johnson (Münich)
4. INSTITUTION : EORTC Malignant Melanoma Cooperative Group
5. ADDRESS : Prof. D. Ruiter, Dept of Pathology, Catholic University Nijmegen, P.O. Box 9101, NL - 6500 HB Nijmegen
6. TELEPHONE : 80-514 825 or 519 111
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

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NL12

1. FIELD OF STUDY : Melanocytic tumor progression
2. TITLE / DESCRIPTION : Molecules involved in melanocytic tumor progression and metastasis formation.
3. INVESTIGATOR(S) : G.N.P. Van Muylen, D.J. Ruiter
4. INSTITUTION : Departement of pathology
5. ADDRESS : P.O. BOX 9101 ; 6500 HB Nijmegen, the Netherlands.
6. TELEPHONE : 80-614314
7. FAX : 80-540520
8. COMMENTS : Key words : Melanoma; metastasis; adhesion molecules; ECM proteolysis; angiogenesis; progression antigens.
9. KEY WORDS : Melanoma progression.

NL13

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Differentiation antigens of human melanoma
3. INVESTIGATOR(S) : Drs. D. Ruiter, G.N.P. van Muyen, P. van Hesen, P. Lamers
4. INSTITUTION : Catholic University Nijmegen, Dept of Pathology
5. ADDRESS : P.O. Box 9101, NL - 6500 HB Nijmegen
6. TELEPHONE : 80-514 825 / 80-614 314
7. FAX : 80-540 520
8. COMMENTS : The research consists of : a) phenotyping of metastatic human melanoma cells in nude mice;
b) production of monoclonal antibodies against melanoma associated antigens.
9. KEY WORDS : Melanoma

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NL14

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Oncogenes and expression of HLA-antigen in malignant melanoma
3. INVESTIGATOR(S) : Drs. P. Schrier, R. Versteeg (Leiden), in collaboration with Drs. G.N.P. van Muyen, P. Lammers, D. Ruiter (Nijmegen)
4. INSTITUTION : Catholic Academic Hospital, Dept of Clinical Oncology
5. ADDRESS : P.O. Box 9600, NL - 2300 RC Leiden
6. TELEPHONE : 71-261 916
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma, Oncogenes in melanoma

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NL15

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Biochemical and functional analysis of monocyte-associated cellular adhesion molecules involved in migration and monocyte-human melanoma cell interaction in vitro and in vivo.
3. INVESTIGATOR(S) : Drs. C.G. Figdor, W.S. Bont, Ph. Rümke
4. INSTITUTION : Antoni van Leeuwenhoekhuis
Division of Immunological and Clinical Research
5. ADDRESS : Plesmanlaan 121, NL - 1066 CX Amsterdam
6. TELEPHONE : 20-512.25.60 or 512.25.64
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

NLI6

1. FIELD OF STUDY : In vitro studies with human melanocytes
2. TITLE / DESCRIPTION : Culture of human melanocytes on microcarriers (cytodex 3) in an automated fermenter
3. INVESTIGATOR(S) : Drs. N. Smit, W. Westerhof, S. Pavel, S. Asghar, A.H. Siddiqui
4. INSTITUTION : Academic Medical Center, University of Amsterdam
Dept of Dermatology
5. ADDRESS : Meibergdreef 9, NL - 1105 AZ Amsterdam
6. TELEPHONE : 20 - 566.27.57 - S.Pavel: 566.91.11
7. FAX : 20 - 566.44.40
8. COMMENTS : Large scale cultivation of human melanocytes has become possible allowing for biochemical work on melanin metabolism, receptor studies, etc. We are presently engaged in improving the culture medium by exchanging TPA, cholera toxin and IBMX by more physiological substances.
9. KEY WORDS : Melanocyte culture

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NLI7

1. FIELD OF STUDY : Photobiology and pigmentation
2. TITLE / DESCRIPTION : Quantitative skin reflectance
Chromameter measurements of UV-induced erythema and pigmentation response in human
3. INVESTIGATOR(S) : Drs. W. Westerhof, O. Estevez-Uscanga, A. Kammeyer
4. INSTITUTION : University of Amsterdam, Depts of Dermatology and Medical Physics
5. ADDRESS : Meiberdreef 9, NL - 1105 AZ Amsterdam Zuidoost
6. TELEPHONE : 20-566.27.57
7. FAX : 20-566.44.40
8. COMMENTS : The quantitative assessment of the sensitivity of human skin to UV radiation is important in connection with photo (chemo) therapy, diagnosis of photodermatosis, and photoprotection against photo-aging and photocarcinogenesis of the skin.
9. KEY WORDS : Photobiology

NLI8

1. FIELD OF STUDY : Clinical studies of pigmentary disorders
2. TITLE / DESCRIPTION : Classification of pityriasis alba
3. INVESTIGATOR(S) : Drs. H.E. Menke (1), W. Westerhof (2)
4. INSTITUTION : 1) St Franciscus Gasthuis 2) Academic Medical Center
Dept of Dermatology Dept of Dermatology
5. ADDRESS : Kleiweg 500 Meibergdreef 9
NL - 3045 PM Rotterdam NL - 1105 AZ Amsterdam
6. TELEPHONE : 10-422.33.44, 461.61.61 20-566.26.57
7. FAX :
8. COMMENTS : In young adults we observed on the central parts of the body an acquired ill defined macular hypopigmentation which seems to be different from pityriasis alba
9. KEY WORDS : Pigmentary disorders

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NLI9

1. FIELD OF STUDY : Treatment of malignant melanoma
2. TITLE / DESCRIPTION :
Hyperthermic isolated regional perfusion (HIRP)
HIRP for regional chemotherapie is only practical for tumors located on the extremities, because this is the only site where adequate vascular occlusion can be achieved. With isolated regional perfusion a high local concentration of a chemotherapeutic agent without systemic toxicity can be achieved.
The value of adjuvant HIRP for stage I melanoma (Breslow thickness > 1.5mm) is now investigated in a prospective randomized EORTC/WHO study.
The therapeutic effect of HIRP for local recurrence, satellitosis and intransit metastase of extremity melanoma has been proven, and uncontrolable loco-regional disease necessitating an amputation is nowadays seldom seen.
3. INVESTIGATOR(S) : Prof. Dr. H. Schraffordt Koops.
4. INSTITUTION : Department of Surgical Oncology
University Hospital Groningen, The Netherlands
5. ADDRESS : P.O. Box 30.001, 9700 RB Groningen, The Netherlands.
6. TELEPHONE : (0)50 - 61 23 18
7. FAX : (0)50 - 61 48 73
8. COMMENTS : During the past decade there have been improvements in the technique of HIRP as well as in the dosimetry of cytostatics.
Today HIRP can be performed under physiological conditions.
9. KEY WORDS : Melanoma, Chemotherapy

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992**N1**

1. FIELD OF STUDY : Melanoma - epidemiology - pathology
2. TITLE / DESCRIPTION : The Norwegian Melanoma Project, Clinical and Pathological parameters
3. INVESTIGATOR(S) : P. Thune, T E. Lansen
4. INSTITUTION : Ulleval Hospital Oslo
Departement of Dermatology
5. ADDRESS : 0407 Oslo Norway
6. TELEPHONE : 472 118314
7. FAX : 472 118119
8. COMMENTS :
9. KEY WORDS : Melanoma epidemiology

N2

1. FIELD OF STUDY : Melanocytes culture
2. TITLE / DESCRIPTION : 1) DNA ploidy of melanoma (terminated)
2) The requirements of melanocytes and other cell types in a protein-free culture medium
3. INVESTIGATOR(S) : 1) Dr. H.I. Nielsen
2) Dr. K. Berthensen
4. INSTITUTION : 1) GEA-Biotech
2) Institute of Biological Medicine
5. ADDRESS : University of Tromso, Norway
6. TELEPHONE :
7. FAX :
8. COMMENTS : Culture of human skin cells in a totally defined protein-free Medi-cult^R SSR media
9. KEY WORDS : Melanocyte culture, Melanoma

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992

PL1

1. FIELD OF STUDY : Melanoma cells and tumours : experimental and clinical approaches
2. TITLE / DESCRIPTION :
 - a) Non-invasive, basic, in vitro and in vivo studies on molecular and cellular mechanisms which determine the sensitivity of melanoma cells and tumours to ionizing radiation, hyperthermia and phototherapy using :
 - in vitro and in vivo electron spin resonance (ESR) spectroscopy
 - in vivo ESR imaging (ESRI)
 - NMR relaxometry
 - in vitro and in vivo ESR oximetry
 - NMR oximetry in cellular systems
 - NMR imaging in collaboration with the Institute for Nuclear Physics in Krakow
 - b) In vivo monitoring of sensitization to radiation, heat and light treatment of in situ growing animal melanomas in mice
 - c) Development of new melanoma-addressed NMR contrast agents for the detection of distant metastases
 - d) Clinical trials on radiosensitization of melanoma in collaboration with the Medical Academy in Krakow.
3. INVESTIGATOR(S) : Prof. S.J. Lukiewicz, PhD, D.Sc.
Staff : Dr K. Cieszka, Dr S. Pajak, Dr J. Koscielniak, M. Elas, M.Sc., G. Drabik, MD., K. Dubis, M.Sc., K. Wojcik, M.Sc., Z. Matuszak, M.Sc., A. Kaminska, M.Sc., A. Wilczek, M.Sc., P. Plonka, M.Sc., and several technicians, graduate and undergraduate students.
4. INSTITUTION : Jagiellonian University, Lab. Radiospectroscopy of Cancer and Radiobiology
 Dept of Biophysics at the Institute of Molecular Biology
 Krakow 31-120, Al. Miçkiewicza 3, Poland.
5. ADDRESS :
6. TELEPHONE :
7. FAX :
8. COMMENTS :
 The group has been established about 20 years ago, and has an inter-disciplinary character. There are molecular biologists, oncologists, cell biologists, chemists, physicists and electronic engineers among the staff members.
 The group received financial support from the International Atomic Energy Agency, National Foundation for Cancer Research, USA, Cancer Center and Institute of Oncology in Warsaw, Polish Academy of Sciences in Wroclaw, and International Center of Biocybernetics and Institute of Biomedical Engineering of the Polish Academy of Sciences in Warsaw.

 The studies are performed with molecular and cellular systems, animal tumour models and with patients.
9. KEY WORDS : Melanoma

PL2

1. FIELD OF STUDY : Melanin biophysics
2. TITLE / DESCRIPTION :
 - a) Interaction of melanin with oxygen reactive species $^1\text{O}_2$, OH, O_2 and H_2O_2
 - b) Free radical, ion exchange and redox properties of melanin
 - c) Direct and sensitized photoreactions of melanin
 - d) Photodynamic phenomena of pigmented cell in vitro
3. INVESTIGATOR(S) : Dr. T. Sarna
Staff : J. Bielec, J. Doliwa-Dobrucki, W. Korytowski, B. Pilas
4. INSTITUTION : Photobiophysics laboratory
 Institute of Molecular Biology
 Jagellonian University
5. ADDRESS : Krakow 31-120, Al. Mickiewicza 3, Poland.
6. TELEPHONE : 48-12-34.13.05 / 34.14.42
7. FAX : 48-12-22.36.06 (Attention Dr. T. Sarna, Inst. of Molecular Biology, Phone 34.13.05)
8. COMMENTS :
 Fundamental physicochemical properties of isolated natural melanins and synthetic melanin polymers are studied by means of electron spin resonance, laser flash photolysis, pulse radiolysis and absorption and fluorescence spectroscopy. Current research is focused on oxygen reactive species that can be formed or quenched in melanotic systems. Susceptibility of pigmented cells to photodynamic action is studied in vitro with the use of photosensitizing dyes exhibiting different localizing properties within the cell.
9. KEY WORDS : Melanin biophysics

PL3

1. FIELD OF STUDY : Biochemistry
2. TITLE / DESCRIPTION :
 Metabolism of catecholamines in laboratory animals of different degree of pigmentation and influence of different drugs on it.
3. INVESTIGATOR(S) : Halina Orgacka
4. INSTITUTION : Department of Chemistry and Analysis of Drugs Silesian Medical Academy.
5. ADDRESS : 41-200 Sosnowiec, Jagiellońska 4
6. TELEPHONE : 66-96-11 to 17 ext 183, 66-70-71, 66-75-27 ext 233
7. FAX :
8. COMMENTS :
 I would like to cooperate with the foreign departments taking up the similar problem. Now I can only use the fluorimetric methods of catecholamine determination. Because of getting small amounts of biological material. I would like very much to apply unattainable for me in Poland the radioenzymatic or HPLC method of determination of catecholamines and their some metabolites.
 HC-3 Excretion of catecholamines and their methoxyderivatives in albino and agouti hamsters.
 H.Orgacka, Z.Zbytniewski, XIVth International Pigment Cell Conference, Kobe, Japan, 31.10.-04.11.90.
9. KEY WORDS : Melanin chemistry

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992**E1**

1. FIELD OF STUDY : Malignant melanocytes
2. TITLE / DESCRIPTION : Biochemistry of malignant melanocytes
3. INVESTIGATOR(S) : Dr. J.A. Lozano, Dr. F. Solano, Dr. R. Penafiel, Dr. J.C. Garcia-Borron, Dr. J. Galindo, Dr. M. Jimenez
4. INSTITUTION : Facultad de Medicina
Universidad de Murcia
5. ADDRESS : 30100 Espinardo, Murcia, Spain
6. TELEPHONE : 34-68-83 3000 ext.2550,2567,2568,2569
-83 0950
7. FAX : 34-68-834 307
8. COMMENTS :
9. KEY WORDS : Melanin Chemistry, Melanogenesis

E2

1. FIELD OF STUDY : Melanogenesis
2. TITLE / DESCRIPTION : Kinetics aspects of melanogenesis
3. INVESTIGATOR(S) : Drs. F. Garcia-Carmona, F. Garcia-Canovas, J. Tudela
4. INSTITUTION : Facultad de Medicina, Universidad de Murcia
Departamento de Bioquimica
5. ADDRESS : 30100 Espinardo, Murcia, Spain
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanogenesis

E3

1. FIELD OF STUDY : Carcinogenesis
2. TITLE / DESCRIPTION : Chemical skin carcinogenesis
3. INVESTIGATOR(S) : Drs V. Vincente, S. Gomez
4. INSTITUTION : Facultad de Medicina, Universidad de Murcia
Departamento de Anatomia Patologia
5. ADDRESS : 30100 Espinardo, Murcia, Spain
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Skin Carcinogenesis

E4

1. FIELD OF STUDY : Melanin
2. TITLE / DESCRIPTION : Melanin in fish tissues
3. INVESTIGATOR(S) : Drs A. Zuasti, C. Ferrer
4. INSTITUTION : Facultad de Medicina, Universidad de Murcia
Departamento de Biología
5. ADDRESS : 30100 Espinardo, Murcia, Spain
6. TELEPHONE : 34-68-83 1000 ext.2544 / 83 30 00
7. FAX : 34-88-834 307
8. COMMENTS :
9. KEY WORDS : Melanin

E5

1. FIELD OF STUDY : Culture
2. TITLE / DESCRIPTION : Human melanocytes
3. INVESTIGATOR(S) : Dr. A. Castells
4. INSTITUTION : Facultad de Medicina, Universidad de Valencia
Departamento de Dermatología
5. ADDRESS : Blasco Ibanez 17, 46010 Valencia, Spain
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanocyte culture

E6

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Melanoma in Spain
3. INVESTIGATOR(S) : Dr. J. Mascaró
4. INSTITUTION : Facultad de Medicina, Universidad de Barcelona
5. ADDRESS : Casanova 143, 08036 Barcelona, Spain
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992**S1**

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : 1. Epidemiology
2. Melanoma Prevention
3. Drug resistance
4. Genetics (Oncogenes, tumor suppressor genes)
5. Psychological studies of Melanoma Patients
6. Studies on melanin metabolites
3. INVESTIGATOR(S) :
1. Dr Eva Mansson-Brahme, Dr Boel Ragnarsson-Olding (Radium-hemmet). Dr Harry Beitner (Dept Dermatol, Karolinska Hosp.)
 2. Dr Eva Mansson-Brahme (project Coordinator)
 3. Dr Bengt Mannervik (Univ of Uppsala), Dr Johan Hansson (Project Coordinator)
 4. Dr Anton Platz, Dr Johan Hansson
 5. Dr Yvonne Brandberg
 6. Dr Bertil Kagedal (Univ of Linköping)
4. INSTITUTION : Contact: Melanoma Group, Dr Ulrik Ringborg
Dept of Oncology, Karolinska Hospital
5. ADDRESS : Box 60500, S - 104 01 Stocholm, Sweden
6. TELEPHONE : 46-8-729 43 00
7. FAX : 46-8-31 15 85
8. COMMENTS :
9. KEY WORDS : Melanoma
- =====

S2

1. FIELD OF STUDY : Depigmentation
2. TITLE / DESCRIPTION : Biochemical studies on the melanogenesis
3. INVESTIGATOR(S) : Christer Hansson
4. INSTITUTION : Dept of Dermatology
Univ. Hospital
5. ADDRESS : S - 22185 Lund, Sweden
6. TELEPHONE : 046-173151
7. FAX :
8. COMMENTS :
9. KEY WORDS : Pigmentary disorders, Melanin chemistry, Melanogenesis, Melanoma

S3

1. FIELD OF STUDY : Biochemistry of melanogenesis
2. TITLE / DESCRIPTION :
3. INVESTIGATOR(S) : Ekmehag B., Rosengren E., Hansson C., Rorsman H.
4. INSTITUTION : Department of Dermatology
University Hospital
5. ADDRESS : S - 22185 Lund, Sweden
6. TELEPHONE : 46-46 17 11 35
7. FAX : 46-46 15 78 87
8. COMMENTS :
9. KEY WORDS : Melanogenesis

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S4

1. FIELD OF STUDY : The pigmentary system
2. TITLE / DESCRIPTION : The melanocyte - Naevi and melanoma.
Reaction to sun exposure.
3. INVESTIGATOR(S) : Inger Rosdahl
4. INSTITUTION : Dept of Dermatology, Lundby Sjukhus
5. ADDRESS : Wieselgrenspl. 19
S - 41717 Goteborg, Sweden
6. TELEPHONE : 031/65 70 00
7. FAX : 031/65 70 20
8. COMMENTS :
9. KEY WORDS : Photobiology

S5

1. FIELD OF STUDY : Biomolecular and clinical studies on pigment cells and malignant melanoma
2. TITLE / DESCRIPTION :

Microdialysis of intermediate pigment metabolites from human melanomas transplanted to nude mice.
Formation of pigment metabolites from melanoma cells in vitro, including studies on enzyme effects, and in vivo during dissemination of melanoma
3. INVESTIGATOR(S) : Bertil Kagedal, Anita Kullman, Liselotte Lenner, Kerstin Arstrand, Nil Dizdar, Margareta Karlsson
4. INSTITUTION : Department of clinical chemistry
University Hospital
5. ADDRESS : S - 581 85 Linköping, Sweden
6. TELEPHONE : 46 13 223223
7. FAX : 46 13 223240
8. COMMENTS :
9. KEY WORDS : Melanogenesis , Melanoma

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S6

1. FIELD OF STUDY : Pigment pattern formation in salamander larvae
2. TITLE / DESCRIPTION : Extracellular Matrix as regulating factor for embryonic cell migration and differentiation. Neural crest cell migration and differentiation.
3. INVESTIGATOR(S) : Jan Löfberg, Lennart Olsson, Michael Stigson, Kristian Svensson, Lans Sundén
4. INSTITUTION : Department of Zoology, Uppsala University
5. ADDRESS : Villavägen 9
S - 752 36 Uppsala, Sweden
6. TELEPHONE : 46 18 182677
7. FAX : 46 18 559888
8. COMMENTS :
9. KEY WORDS : Pigment cell biology

S7

1. FIELD OF STUDY : Interaction between chemicals and melanin
2. TITLE / DESCRIPTION :
 - a) Studies on the binding of chemicals (drugs, carcinogenic substances, metals) to melanin, and the retention in pigmented tissues, with special reference to the biological toxicological effects
 - b) Development of specific melanoma seekers (thiouracils) for clinica use
3. INVESTIGATOR(S) : Drs. B. Larsson, N. Lindquist, U. Mars, A. Roberto
4. INSTITUTION : Dept of Pharmaceutical Biosciences, Div of Toxicology
5. ADDRESS : Uppsala University
Box 594, S - 75124 Uppsala, Sweden
6. TELEPHONE : 46-18-17.42.47
7. FAX : 46-18-17.42.53
8. COMMENTS :
9. KEY WORDS : Melanin chemistry, Melanoma seekers

S8

1. FIELD OF STUDY : Toxicology
2. TITLE / DESCRIPTION : Chemically induced lesions in pigmented tissues.
A great number of drugs and other chemicals are accumulated and retained in melanin-containing tissues due to melanin affinity. There are many indications that this is the main factor in the etiology of chronic lesions affecting pigmented tissues. In one project we are studying the selective accumulation of carcinogenic substances in pigmented tissues. We think that the binding of carcinogens to melanin may be involved in melanoma induction. In another project we are studying the binding of neurotoxic substances to neuromelanin, and the possible connection with Parkinson's disease.
3. INVESTIGATOR(S) : Bengt S. Larsson, Nils Gunnar Lindquist, Amilcar Roberto.
4. INSTITUTION : Department of Toxicology - Biomedical Center - Uppsala University - Box 594
5. ADDRESS : S-75124 Uppsala - Sweden
6. TELEPHONE : 46-18-174247
7. FAX : 46-18-551759
8. COMMENTS :
9. KEY WORDS : Neuromelanin, Melanin affin substances



1. FIELD OF STUDY : Melanoma research

2. TITLE / DESCRIPTION :

Melanoma-seeking agents for diagnosis and treatment of malignant melanoma.

Various thiourea derivatives have previously been shown to be incorporated into melanin during its synthesis.

For diagnosis of melanoma we have labelled thiouracil with radio-iodine. Clinical studies on patients with disseminated melanoma are in progress.

For treatment of melanoma we are preparing boronated thioureas for possible boron neutron capture therapy. So far our studies are concentrated on the biodistribution of these compounds in melanoma-bearing mice.

3. INVESTIGATOR(S) : Bengt S. Larsson, Amilcar Roberto.

4. INSTITUTION : Department of Toxicology - Biomedical Center - Uppsala University - Box 594.

5. ADDRESS : S-75124 Uppsala - Sweden

6. TELEPHONE : 46-18-174247

7. FAX : 46-18-551759

8. COMMENTS :

9. KEY WORDS : Melanoma drug, targeting, Melanoma seekers

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990-1992**CH1**

1. FIELD OF STUDY : MSH
2. TITLE / DESCRIPTION : Identification, characterization and isolation of MSH receptors of mouse and human melanoma cells; study of a possible application of MSH and MSH receptor antibodies in the treatment of melanoma.
3. INVESTIGATOR(S) : Dr. A.N. Eberle
4. INSTITUTION : Kantonsspital, Research Dept
5. ADDRESS : CH - 4031 Basel - Hebelstrasse, 20
6. TELEPHONE : 41-61-25.25.25 ext. 3582,3556,3557
7. FAX : 41-61-25 15 00
8. COMMENTS :
9. KEY WORDS : MSH, Melanoma treatment

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CH2

1. FIELD OF STUDY : Melanocyte culture
2. TITLE / DESCRIPTION : Study of the growth behaviour of normal epidermal melanocytes and melanoma cells in cell culture and its modulation by exogenous factors.
3. INVESTIGATOR(S) : Dr. M. Benathan, Prof. E. Frenk
4. INSTITUTION : Centre Hospitalier Universitaire Vaudois, Dept of Dermatology
5. ADDRESS : CH - 1011 Lausanne
6. TELEPHONE : 314.46.46 or 314.11.11 -314.53.69
7. FAX : 21-314 31 81
8. COMMENTS :
9. KEY WORDS : Melanocyte Culture, Pigment cell biology

CH3

1. FIELD OF STUDY : Melanogenesis
2. TITLE / DESCRIPTION : The Chemistry of dopachrome, in particular its transformation into melanin under autooxidative conditions and via the well known intermediates.
3. INVESTIGATOR(S) : Prof. H. Wyler
4. INSTITUTION : Institute of Organic Chemistry, University of Lausanne
5. ADDRESS : Rue de la Barre 2, CH - 1005 Lausanne
6. TELEPHONE : 44.42.50
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanogenesis

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CH4

1. FIELD OF STUDY : Tyrosinase
2. TITLE / DESCRIPTION : The molecular and active site structure and the catalytic mechanism of tyrosinase.
3. INVESTIGATOR(S) : Dr K. Lerch
4. INSTITUTION : Institute of Biochemistry
5. ADDRESS : Winterthurerstraße 190 , CH - 8057 Zurich
6. TELEPHONE : 257.55.21 or 257.11.11
7. FAX :
8. COMMENTS : For these studies the highly purified enzymes from the bacterium Streptomyces glaucescens and the mold Neurospora crassa are used. Both site-directed mutagenesis and a number of different spectroscopic and kinetic techniques are widely applied.
9. KEY WORDS : Tyrosinase, Pigment cell biology

CH5

1. FIELD OF STUDY : Tyrosinase, melanocytes, mice, transgenic mice
2. TITLE / DESCRIPTION : Pigment cell-specific gene expression
3. INVESTIGATOR(S) : Dr Friedrich Beermann
4. INSTITUTION : Swiss Institute for Experimental Cancer Research (ISREC)
5. ADDRESS :
Chemin de Boveresses 155
CH - 1066 Epalinges S/Lausanne, Switzerland
6. TELEPHONE : 41-21-3165737
7. FAX : 41-21-3165705
8. COMMENTS : (Future interest may involve: proliferation of melanocytes)
9. KEY WORDS : Tyrosinase, Pigment cell biology

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CH6

1. FIELD OF STUDY : Human melanoma
2. TITLE / DESCRIPTION : Importance of nuclear protooncogenes in the regulation of melanoma differentiation and possible implication in MHC and class II expression as well as expression of cell adhesion molecules.
3. INVESTIGATOR(S) : ° S. Carrel, ° S. Salvi and * N. Gross
4. INSTITUTION : ° Ludwig Institute for Cancer Research, Lausanne Branch
* Onco-Pediatric Lab. University Hospital, CHUV Lausanne
5. ADDRESS : ° Ch. des Boveresses 155 / 1066 Epalinges, Switzerland
6. TELEPHONE : (021) / 33 62 75
7. FAX : (021) / 33 44 74
8. COMMENTS :
9. KEY WORDS : Melanoma, Oncogenes in melanoma

CH7

1. FIELD OF STUDY : Human melanoma
2. TITLE / DESCRIPTION : Importance of cytokines in upregulating cell adhesion molecules and oncogenes in human melanoma and neuroblastoma.
3. INVESTIGATOR(S) : ° S.Carrel, ° L.Giuffrè, ° S.Salvi and ° N.Gross
4. INSTITUTION : ° Ludwig Institute for Cancer Research, Lausanne Branch and ° Onco-Pediatric Lab University Hospital, CHUV Lausanne
5. ADDRESS : ° Ch. des Boveresses 155 / 1066 Epalinges, Switzerland.
6. TELEPHONE : (021) / 33 62 75
7. FAX : (021) / 33 44 74
8. COMMENTS :
9. KEY WORDS : Melanoma, Cytokines in melanoma

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CH8

1. FIELD OF STUDY : Human melanoma
2. TITLE / DESCRIPTION : Cell adhesion molecules as progression markers in human melanoma and precursor lesions.
3. INVESTIGATOR(S) : S. Carrel, S. Salvi, L. Giuffrè and M. Schreyer
4. INSTITUTION : Ludwig Institute for Cancer Research, Lausanne Branch.
5. ADDRESS : Ch. des Boveresses 155 / 1066 Epalinges, Switzerland.
6. TELEPHONE : (021) / 33 62 75
7. FAX : (021) / 33 44 74
8. COMMENTS :
9. KEY WORDS : Melanoma, Cell adhesion molecules, Progression

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992

TKN1

1. FIELD OF STUDY : The melanogenesis in the mammalian organisms.
2. TITLE / DESCRIPTION :

The turnover of the tyrosine and sulfur containing compounds at the different states of the melaninogenesis in mammals. The relationship of melaninogenesis and general metabolic pathway of aromatic and sulfur containing amino acids in mammalian organism and possible ways of genetic and hormonal correction of melaninogenesis through the amino acid metabolism is being studied.
3. INVESTIGATOR(S) : Khummet Kurbanov, Nina A. Spiridonova, Gulya Sh. Kurbanova.
4. INSTITUTION : Biochemistry department of Turkmen State Medical Institute.
5. ADDRESS : Turkmenistan ssr, Ashkhabad, Shaumyan st., 58.
6. TELEPHONE : 253083, 251729, 245205.
7. FAX :
8. COMMENTS :

The biochemistry department of Turkmen state medical institute was investigating the problem of melanogenesis for more than 20 years. For this period the study of the structure and chemical properties of melanosomes was carried out, investigated the relationship between melaninogenesis and general metabolic processes. Some theses have been defended and some monographs have been published.

9. KEY WORDS : Melanogenesis

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TKN2

1. FIELD OF STUDY : The melanogenesis in the mammalian organisms.
2. TITLE / DESCRIPTION : The role of melaninogenesis in antioxidant system of organism. The antioxidant properties of eu- and pheomelanins and relationship of melaninogenesis with other antioxidant systems of organism are being studied.
3. INVESTIGATOR(S) : Khummet Kurbanov, Murad Kh. Kurbanov, Abdurakhman A. Durdymuradov, Baigeldy A. Ovezov.
4. INSTITUTION : Biochemistry department of Turkmen State Medical Institute.
5. ADDRESS : Turkmenistan SSR, Ashkhabad, Shaumyan st., 58.
6. TELEPHONE : 253083, 251729, 245205.
7. FAX :
8. COMMENTS :

The biochemistry department of turkmen state medical institute was investigating the problem of melangensis for more than 20 years. For this period the study of the structure and chemical properties of melanosomes was carried out, investigated the relationship between melaninogenesis and general metabolic processes. Some theses have been defended and some monographs have been published.

9. KEY WORDS :Melanogenesis

SURVEY OF CURRENT PIGMENT CELL RESEARCH 1990 - 1992

GB1

1. FIELD OF STUDY : Melanogenesis / Melanoma
2. TITLE / DESCRIPTION :
- 1- Investigations of the mechanism and control of melanogenesis
 - 2- Studies of melanogenesis as a target for anti-melanoma treatment
3. INVESTIGATOR(S) : P.A. Riley
4. INSTITUTION : UCL medical School
5. ADDRESS : Cleveland Street
UK - London WIP 6DB
6. TELEPHONE : 44 71 380 9323
7. FAX : 44 71 387 3310
8. COMMENTS :
9. KEY WORDS : Melanoma, Melanogenesis

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GB2

1. FIELD OF STUDY : Melanogenesis
2. TITLE / DESCRIPTION :
- 1- Mechanism of melanogenesis
 - (a) Pulse radiolysis studies
 - (b) Tyrosinase characteristics
 - 2- Analogue substrates : oxidation + cytotoxicity of products.
3. INVESTIGATOR(S) : P.A.Riley*, S.Naism-Byfield, C.J.Cooksey*, E.J.Land, T.J.Truscott
4. INSTITUTION : * University college London
5. ADDRESS : Cleveland Street
UK - London WIP 6DB
6. TELEPHONE : (071) 636 8333 Ext 3384
7. FAX : (071) 387 3310
8. COMMENTS :
9. KEY WORDS : Melanogenesis, Melanin chemistry

GB3

1. FIELD OF STUDY : Melanoma: diagnosis and therapy
2. TITLE / DESCRIPTION : Diagnosis and targeted radiotherapy of disseminated melanoma with radiolabelled methylene blue: Human and animal studies.
3. INVESTIGATOR(S) : Eva M. Link
4. INSTITUTION : University college, London Medical School
Dept of chemical Pathology, Division of Molecular Pathology,
5. ADDRESS : Cleveland Str
UK - London wip 6DB
6. TELEPHONE : (44-71) 636-8333 ext 3350
7. FAX : (44-71) 387-3310
8. COMMENTS :
9. KEY WORDS : Melanoma diagnosis

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GB4

1. FIELD OF STUDY : Radiotherapy
2. TITLE / DESCRIPTION : Targeting radiotherapy for pigmented melanoma
3. INVESTIGATOR(S) : Drs. E.M. Link, R.N. Carpenter
4. INSTITUTION : University College and Middlesex School of Medicine
Dept of Chemical Pathology
5. ADDRESS : Cleveland Street, UK - London W1P 6DB
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma radiotherapy

GB5

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION :
1- Epidemiology
2- Genetic epidemiology
3- Health Education
4- Monoclonal antibodies,
5- In vitro studies on UV and cells
3. INVESTIGATOR(S) : Dr Julia Newton
4. INSTITUTION :
Dept of Dermatology
Royal London Hospital
5. ADDRESS :
Whitechapel
UK - London E1 1BB
6. TELEPHONE : 71 377 7383
7. FAX : 71 377 7383
8. COMMENTS :
9. KEY WORDS : Melanoma epidemiology, photobiology

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GB6

1. FIELD OF STUDY : Clinical research into new dermatological treatments for skin pigmentary disorders
2. TITLE / DESCRIPTION :
3. INVESTIGATOR(S) :
4. INSTITUTION : Stiefel laboratoires International Division
5. ADDRESS :
Holtspurlane, Wooburn Green,
UK - High Wycombe, Bucks, HP10 0AU
6. TELEPHONE : (0628) 524966
7. FAX : (0628) 810021
8. COMMENTS :
9. KEY WORDS : Pigmentary disorders

GB7

1. FIELD OF STUDY : The chemistry of melanogenesis as a therapeutic strategy in melanoma.

2. TITLE / DESCRIPTION :

Short-lived intermediates of melanogenesis are being observed directly using pulsed radiation fast reaction techniques. Several postulated quinonoid and other components of the classic Raper-Mason scheme have been characterised some for the 1st time. By such methods, it has also been shown that the targeted chemotherapy of malignant melanoma with 4-hydroxyanisole is likely to proceed via reaction of anisyl-3,4-quinone rather than the corresponding semiquinone. Current studies are aimed at developing an improved agent. Alkylthio- and other alkoxy- substituted instable o-quinones are aimed at developing an improved agent.

An improved understanding of the chemistry of melanogenesis might lead to the ability to manipulate such chemistry, which could lead to a treatment of melanoma based on subverting the chemistry of melanogenesis.

3. INVESTIGATOR(S) : Dr E.J. Land, in collaboration with Prof P.A. Riley, Professor T.G. Truscott and Dr C. Lambert.

4. INSTITUTION : Paterson Institute for Cancer Research
CRC Department of Biophysical Chemistry
Christie Hospital & Holt Radium Institute for Cancer Research

5. ADDRESS : UK - Manchester M20 9BX

6. TELEPHONE : 061 445 8123 Ext. 215
061 434 7728

7. FAX : 061 446 3109

8. COMMENTS :

9. KEY WORDS : Melanoma chemotherapy, Melanoma targeting

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GB8

1. FIELD OF STUDY : Melanomic epidemiology, naevus biology, therapy

2. TITLE / DESCRIPTION :

3. INVESTIGATOR(S) : Professor R M Mackie

4. INSTITUTION : Department of Dermatology
Robertson Building
University of Glasgow

5. ADDRESS : Glasgow G12 8QQ, Scotland

6. TELEPHONE : 041-339-8855 x 4010

7. FAX : 041-330-4008

8. COMMENTS :

9. KEY WORDS : Melanoma, Melanoma epidemiology, Nevus

GB9

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Clinical and in vitro studies on melanoma
3. INVESTIGATOR(S) : Dr. R. MacKie
4. INSTITUTION : University of Glasgow
Dept of Dermatology
5. ADDRESS : Anderson College Building, 56 Dumbarton Road, UK - Glasgow
G11 6NU
6. TELEPHONE :
7. FAX :
8. COMMENTS :
- Effect of UVB and other known carcinogens on cultured human melanocytes
 - Comparison of characteristics of human melanocytes and melanoma cells
 - Effect of growth factors on human melanocytes
 - Pharmacokinetics of lymph perfusion
9. KEY WORDS : Melanoma

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GB10

1. FIELD OF STUDY : Chemistry
2. TITLE / DESCRIPTION : Melanoma treatment and melanogenesis
3. INVESTIGATOR(S) : Drs. P. Riley, S. Naish, T.G. Truscott, E.J. Land, T. Sarna
4. INSTITUTION : University College and Middlesex School of Medicine
Dept of Chemical Pathology
5. ADDRESS : Windeyer Building, Cleveland Street, UK - London W1P 6DB
6. TELEPHONE : (071) 636 8333 & 3384, 9323
7. FAX : (071) 3873310
8. COMMENTS :
- Novel targeted drugs for the treatment of malignant melanoma : design, synthesis and evaluation in vitro
 - Melanogenesis and malignant melanoma : a puls radiation study
 - Selective photo-dynamic action in melanoma cells by melanin dye complexion
9. KEY WORDS : Melanoma targeting

GB11

1. FIELD OF STUDY : Molecular genetics
2. TITLE / DESCRIPTION : Melanoma research
3. INVESTIGATOR(S) : Drs. G. Sherbet, Busmani, J. Lunec, M.S. Lakshmi, A. Zubair
4. INSTITUTION : Cancer Research Unit
University of Newcastle upon Tyne
5. ADDRESS : Royal Victoria Infirmary, UK - Newcastle upon Tyne NE1 4LP
6. TELEPHONE :
7. FAX :
8. COMMENTS :
- DNA repair recombination and mutation studies in melanoma
 - Morphometric measurements of melanomas in relation to their malignancy
 - Cytogenetic study of genetic recombination and gene amplification in melanomas
 - Immuno-histochemical study of POMC peptides in melanomas
9. KEY WORDS : Melanoma

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GB12

1. FIELD OF STUDY : Radiotherapy
2. TITLE / DESCRIPTION : Radiotherapy of melanoma
3. INVESTIGATOR(S) : Dr. T.E. Wheldon
4. INSTITUTION : Radiation Oncology Research Group
5. ADDRESS : Belvedere Hospital, UK - Glasgow G31 4PG
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma radiotherapy

- GB13**
1. FIELD OF STUDY : Molecular genetics
 2. TITLE / DESCRIPTION : Growth factor oncogene and proteolytic enzyme gene expression in the growth and progression of melanoma.
 3. INVESTIGATOR(S) : Drs. J. Lunec, G.V. Sherbet
 4. INSTITUTION : Cancer Research Unit
University of Newcastle upon Tyne
 5. ADDRESS : Royal Victoria Infirmary, UK - Newcastle upon Tyne NE1 4LP
 6. TELEPHONE :
 7. FAX :
 8. COMMENTS :
 9. KEY WORDS : Melanoma

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- GB14**
1. FIELD OF STUDY : Cell biology
 2. TITLE / DESCRIPTION : Intra-cellular mechanisms involved in the regulation of pigment in B16 melanoma
 3. INVESTIGATOR(S) : Drs. S. MacNeil, S.S. Bleeker, J. Buffey
 4. INSTITUTION : Clinical Science Centre, Northern General Hospital
Academic Division of Medicine
 5. ADDRESS : UK - Sheffield G5 7AU
 6. TELEPHONE :
 7. FAX :
 8. COMMENTS :
 9. KEY WORDS : Pigment cell biology

GB15

1. FIELD OF STUDY : Radiotherapy
2. TITLE / DESCRIPTION : Targeting radiotherapy with radiolabelled MSH derivatives
3. INVESTIGATOR(S) : Drs. D.P. Page-Thomas, D.R. Bard
4. INSTITUTION : Strangeways Research Laboratories
5. ADDRESS : Worts Causeway, UK - Cambridge CB1 4RN
6. TELEPHONE : 071-636-8333 ext.3350
7. FAX : 071-387-3310
8. COMMENTS :
9. KEY WORDS : Melanoma targeting

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GB16

1. FIELD OF STUDY : Occular pigmentation
2. TITLE / DESCRIPTION : Occular pigmentation
3. INVESTIGATOR(S) : Dr. D.J. Pritchard
4. INSTITUTION : University of Newcastle upon Tyne, Dept of Human Genetics
5. ADDRESS : UK - Newcastle upon Tyne NE2 4AA
6. TELEPHONE :
7. FAX :
8. COMMENTS :
 - Phagocytoses of discharged retinal rod outer segments by retinal pigment epithelium and its break-down
 - Formation of pigment epithelium by transdifferentiation from neural retina and transdifferentiation of pigment epithelium into other cell types
9. KEY WORDS : Eye

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GB17

1. FIELD OF STUDY : Biology
2. TITLE / DESCRIPTION : Genetic organisation of coat color genes in mice
3. INVESTIGATOR(S) : Drs. S. Rastran, N. Brockdorff, D. Norris
4. INSTITUTION : Clinical Research Centre
Section of Comparative Biology
5. ADDRESS : Watford Road, UK - Harrow Middlesex HA1 3UJ
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Coat color

GB18

1. FIELD OF STUDY : Cell biology and molecular genetics
2. TITLE / DESCRIPTION : Melanocyte and melanoma research
3. INVESTIGATOR(S) : Drs. A.J. Thody, S.A. Burchill, C.P.F. Redfern, J. Lanee, G.V. Sherbet
4. INSTITUTION : University Department of Dermatology
5. ADDRESS : Royal Victoria Infirmary, UK - Newcastle upon Tyne NE1 4LP
6. TELEPHONE : 091-222-6000 & 7188
7. FAX : 091-261-1182
8. COMMENTS :
 - Regulation of tyrosinase at transcriptional and post translational levels
 - Autocrine mechanisms and the progression of melanoma
 - Retinoic acid receptor expression in malignant melanoma
9. KEY WORDS : Tyrosinase, Pigment cell biology

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GB19

1. FIELD OF STUDY : Photobiology
2. TITLE / DESCRIPTION : Pulsed irradiation studies of some reactive intermediates of melanogenesis
3. INVESTIGATOR(S) : Drs. E.J. Land, T.G. Truscott, M.R. Chedekel, P.A. Riley, T. Sarna, J.M. Bruce
4. INSTITUTION : Paterson Institute for Cancer Research
Christie Hospital and Holt Radium Institute
5. ADDRESS : Wilmslow Road, UK - Manchester M20 6BX
6. TELEPHONE : 061-445 8123 ext.6215
7. FAX : 061-434-7728
8. COMMENTS :
9. KEY WORDS : Photobiology, Melanoma

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GB20

1. FIELD OF STUDY : Molecular genetics
2. TITLE / DESCRIPTION : Change in gene expression associated with the progression of normal melanocytes to malignancy
3. INVESTIGATOR(S) : Drs. I.R. Hart, R. Wilson, D. Easty, M. Birch, G. Brooks
4. INSTITUTION : Imperial Cancer Research Fund Laboratories
5. ADDRESS : 44, Lincoln's Inn Fields, UK - London WC2A 3PX
6. TELEPHONE : 071-2693472
7. FAX : 071-269-3581
8. COMMENTS :
9. KEY WORDS : Melanoma

GB21

1. FIELD OF STUDY : Molecular genetics
2. TITLE / DESCRIPTION : DNA repair characteristics of human melanoma cells
3. INVESTIGATOR(S) : Drs. R.T. Johnson, D.H. Hatton
4. INSTITUTION : C.R.C. Mammalian Cell DNA repair Research Group
University of Cambridge, Dept of Zoology
5. ADDRESS : UK - Cambridge CB2 3EJ
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Melanoma

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GB22

1. FIELD OF STUDY : Retinis pigmentosa
2. TITLE / DESCRIPTION :
 - 1) The development of DNA probes for use in prenatal diagnosis of retinitis pigmentosa
 - 2) The study of pigment epithelial hypertrophy as a diagnostic indicator of familial adenomatous polyposis coli
3. INVESTIGATOR(S) : 1) Drs. S. Bhattacharya, S.S. Papiha 2) Dr. P. Chapman
4. INSTITUTION : University of Newcastle upon Tyne
Dept of Human Genetics
5. ADDRESS : UK - Newcastle upon Tyne NE2 4AA
6. TELEPHONE :
7. FAX :
8. COMMENTS :
9. KEY WORDS : Eye

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GB23

1. FIELD OF STUDY : Photobiology of pigment cells
2. TITLE / DESCRIPTION : Intra-cellular mechanisms involved in UV induced pigmentation in human melanocytes
3. INVESTIGATOR(S) : Drs. P.S. Friedmann, F. Wren
4. INSTITUTION : Royal Victoria Infirmary
Dept of Dermatology
5. ADDRESS : UK - Newcastle upon Tyne NE1 4LP
6. TELEPHONE : 32.85.11 ext. 3177 or 32.51.31 ext. 573
7. FAX :
8. COMMENTS :
9. KEY WORDS : Photobiology

GB24

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Molecular genetics of melanoma cells
3. INVESTIGATOR(S) : Drs. G.A. Currie, C. Goding, P. Cox
4. INSTITUTION : Marie Curie Memorial Foundation
Marie Curie Research Institute
5. ADDRESS : The Chart, UK - Oxted/Surrey RH8 0TL
6. TELEPHONE :
7. FAX :
8. COMMENTS : - Transcriptional abnormalities in melanoma
- Regulation of pigment-associated genes in melanocytes at the level of transcription
- Transformation of melanocytes in vivo by UV light
9. KEY WORDS : Melanoma

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GB25

1. FIELD OF STUDY : Melanoma
2. TITLE / DESCRIPTION : Cellular genetics of melanoma
3. INVESTIGATOR(S) : Drs. D. Bennett, A. Holmes, L. Devlin, I. Hart, E. Ormerod, P. Cooper, P. Lamina
4. INSTITUTION : St Georges Hospital Medical School
University of London, Dept of Anatomy
5. ADDRESS : Tooting, UK - London SW17 0RE
6. TELEPHONE :
7. FAX :
8. COMMENTS :
- Differentiation and metastasis of mouse melanoma
 - Cellular genetics of melanoma progression, malignancy and differentiation
 - Culture and immortalization of normal and mutant mouse melanocytes
 - Melanocyte development
9. KEY WORDS : Melanoma

GB26

1. FIELD OF STUDY : Enzymology of melanin synthesis
2. TITLE / DESCRIPTION : Expression of cDNAs encoding the mouse *c* and *b* locus proteins in mouse fibroblasts.
Analysis of the functions of these proteins and their subcellular location(s).
3. INVESTIGATOR(S) : Dr. Alison J.Winder
4. INSTITUTION : Sir William Dunn School of Pathology,
University of Oxford
5. ADDRESS : South Parks Road, Oxford, OX1 3RE, U.K.
6. TELEPHONE : +44-865-275505
7. FAX : +44-865-275501
8. COMMENTS :
9. KEY WORDS : Melanogenesis, Pigment cell biology

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GB27

1. FIELD OF STUDY : Histopathology and immunocyto-chemistry
2. TITLE / DESCRIPTION : Studies of borderline and early invasive malignant melanoma using immunohistochemical techniques with particular emphasis on investigation of epidermal basement membrane.
3. INVESTIGATOR(S) : Dr. Nigel Kirkham
Consultant pathologist
4. INSTITUTION : Dept. of histopathology
Royal Sussex County Hospital
5. ADDRESS : Eastern Road, Brighton BN2 5 BE - England
6. TELEPHONE : 0213 696955 ext. 4394
7. FAX : 0213 600182
8. COMMENTS :
9. KEY WORDS : Melanoma histopathology

GB28

1. FIELD OF STUDY : Epidemiology of melanoma. Family studies in melanoma. Human monoclonal antibodies to melanoma.

2. TITLE / DESCRIPTION :
 - a) A case control study of malignant melanoma within London and Essex. 1989-1994.
 - b) Family studies in melanoma /dysplastic naevus syndrome.
 - c) Project: To produce human monoclonal antibodies to melanoma for use in therapy.

3. INVESTIGATOR(S) : Dr Julia Newton
Dr Veronique Bataille

4. INSTITUTION : The Royal London Hospital

5. ADDRESS : Dermatology department, the Royal London Hospital, UK, London E1 1BB.

6. TELEPHONE : 071 377 7383

7. FAX : 071 247 6509

8. COMMENTS :

9. KEY WORDS : Melanoma epidemiology, Dysplastic nevi

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Winder A.J.	80	GB26			
Woël P.Y.	25	F14			
Woelf-Rovendaal D.	48	NL6			
Wojcik K.	55	PL1			
Wood J.M.	28	D6			
Wren F.	78	GB23			
Wyler H.	65	CH3			
Yerman A.P.	5	B5			
Zarivi O.	39	I2			
Zheleva A.M.	7	BG2			
Zuasti A.	58	E4			
Zubair A.	74	GB11			