

PASPCR

Newsletter

Volume 8 Number 2

June, 2000

Introduction . . .

The **PASPCR Newsletter** is published quarterly and is intended to serve as a means of communication for the members of our Society. As such, we invite our membership to actively contribute to it. If you attend a scientific meeting and heard results which you think will be of interest to the membership of the **PASPCR**, please write a few paragraphs summarizing what was presented and share it with us. Any information on up-coming meetings of interest will also be included. We also want to note any change of affiliation or address that you may have had to help us keep our membership list up-to-date. This is **your Newsletter**, and we depend upon you to help us make sure it best serves the Society's needs. Contributions and comments can be sent to Bill Oetting, preferably by Email, to bill@lenti.med.umn.edu.

The **PASPCR Web** page is the major, up-to-date source of current information for the PASPCR membership. The URL address to our home page is <http://www.cbc.umn.edu/paspcr>. The PASPCR Web page contains information about the PASPCR including the goals, ByLaws and Rules of the Society, future meetings, past issues of the **PASPCR Newsletter** as well as links to other related sites including the InterPig DataBase, the International Federation of Pigment Cell Societies (IFPCS) and the regional Pigment Cell Societies from Europe and Japan. In addition, an updated PASPCR membership directory is available on the PASPCR Web page; please notify us if you wish any or all of your information to be modified or deleted on that site. The PASPCR home page also includes positions available and positions wanted. Postings for **Positions Available** is open to all individuals so long as the position is related to pigment cell research. Postings for **Positions Wanted** will be open only to members of the PASPCR or its sister societies (JSPCR and ESPCR). Please provide an expiration data for any submitted postings. If there is additional information that you wish to have added to this web page, please let us know. Send any comments and/or suggestions to the PASPCR WebMaster, Bill Oetting at bill@lenti.med.umn.edu.

Note: The IFPCS webpage has a new URL address at <http://www.cbc.umn.edu/ifpcs>.

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Pigment Cell Research**

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Calendar of Events :

Jun 25 - 28, 2000 IXth Annual Meeting of the PanAmerican Society for Pigment Cell Research, to be held in College Station, TX

Contact: Dr. Lynn Lamoreux, Department of Veterinary Pathobiology, The Texas Veterinary Medical Center, Texas A & M University, College Station, TX 77843-4467;
Phone: (409) 845-6084
Fax: (409) 845-9972
Email: llamoreux@vetmed.tamu.edu.

Sept 28 - Oct 1, 2000 9th Annual Meeting of the European Society for Pigment Cell Research, to be held in Ulm, Germany

Contact: Prof. R.U. Peter, University of Ulm (BWK) Dept of Dermatology Oberer Eselsberg 40 D - 89081 ULM
Tel: 49-731 502-3770
Fax: 49-731 502-3772
E-mail: ralf.peter@medizin.uni-ulm.de

Dec 5-6, 2000 13th Meeting of the Japanese Society for Pigment Cell Research, to be held in Sapporo, Japan,

Contact: K Jimbow

Feb 28, March 3, 2001 5th World Conference on Melanoma : Venice, Italy, February 28 - March 3

Contact: Dr Mario Santinami Secretary General 5th World Conference on Melanoma Casa di Cura S. Pio X Via F. Nava 31 I - 20159 Milano
Phone/Fax: 39-02-69516449
E-Mail : info@melanoma2001.org

Jun 25 - 28, 2001 Xth Annual Meeting of the PanAmerican Society for Pigment Cell Research, to be held in Minneapolis, MN

Contact: Dr. Richard A. King, Department of Medicine, Box 485 Mayo, 420 Delaware St. S.E., Minneapolis, MN 55455;
Phone: (612) 624-0144
Fax: (612) 624-6645
Email: king@mail.ahc.umn.edu.

2002 The XVIIIth International Pigment Cell Conference, to be held in The Hague, Holland.

Contact: Dr. Stan Pavel, President ESPCR, University Hospital Leiden, Dept of Dermatology, PO Box 9600, NL - 2300 RC LEIDEN
Phone: 31-(71) 526 1952
Fax: 31-(71) 524 8106;
E-mail: SPavel@algemeen.azl.nl

Sept 3-7, 2003 XIth Annual Meeting of the PanAmerican Society for Pigment Cell Research, to be held in Wood's Hole, MA.

Welcome to New Members

by James J Nordlund

We welcome the following new member to the PASPCR . . .

Esthy R. Almodovar-Ramirez, B.S., Achim H. Krauss, Ph.D., John Nip, Ph.D., Michael J. Pratt, Licheng Shi, M.S., and John C. Zhuang, Ph.D.

If anyone is interested in joining our Society or wishes to sponsor a member, application forms can be obtained from Dr. James J. Nordlund at the PASPCR Secretary/Treasurer's office.

Corporate Sponsors

by James J Nordlund

The PASPCR would like to acknowledge and thank our Corporate Sponsors; the list below reflects contributions over the past 2 years. Financial gifts from these sponsors have allowed our Society to increase benefits to the membership far out of proportion to the actual dues collected from members. Monies contributed by these sponsors have been used over the years to support various PASPCR functions including our Young Investigator Award program, meeting travel stipends, annual meeting expenses and this Newsletter.

GOLD Corporate Patrons

Procter and Gamble Co
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Avon Products, Inc
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19th International Pigment Cell Conference

The PASPCR and IFPCS invite members of the PASPCR to submit proposals for hosting the 19th IPCC. In 2005 the IPCC will be held in the Americas (North, Central or South). Those interested in hosting and chairing this meeting should prepare their invitation to present to the Council of the PASPCR meeting at College Station, Texas during the June 25-28, 2000.

The interested parties should present the advantages of hosting the meeting in their city and university; general plans and topics or themes; proposed levels of funding and sources of funding; plans for organizing the scientific meeting; conference facilities; hotels and recreation or other topics that will help the Council of the PASPCR select the best site for this meeting.

Vince Hearing at NIH and Jim Nordlund at Cincinnati both have indicated their interests in hosting the meeting. Others interested should contact Dick King at the University of Minnesota to indicate their interest.

From the Editor - *Pigment Cell Research*

WHAT DO YOU MEAN that you haven't subscribed personally yet to ***Pigment Cell Research*** or gotten your University's Library to do so? Are you an observer in this game or are you in it to compete? The members' subscription cost of \$95 is less than 2 boxes of sterile gloves or five 20-mer PCR primers.

So far you've already missed State-of-the-Art Reviews on Melanocyte Proliferation and Differentiation by Halaban and Ballotti, respectively, and on Melanosomal Targeting by Setaluri. You are in line to miss Reviews coming up this year by Jimbow, Fujii, Lamoreux and Hoening on Trafficking of TRPs, Regulation of Chromatophore Motility, Congenic Animal Models and the Roles of Adapter Proteins in Melanocytes. Each issue has a Review on a Pigment Gene and its effect on human pigmentation; this year's Gene Reviews include *pale ear* and Hermansky Pudlak (Spritz), *Mitf* and Waardenburg Syndrome Type 2 (Tachibana), *MC1R* and constitutive pigmentation (Rees), *tyrosinase* and Oculocutaneous Albinism Type 1 (Oetting), and *EDNRB/ET3* and Hirschsprung Disease Type 2 (Chakravarti).

Are you working in your lab using techniques from the Middle Ages or are you up to date in your methods and approaches? Our Innovative Technology Reviews this year are covering Genome Display Arrays, DNA Repair by RDO nucleotides, Microarray Technology, High Resolution Time Lapse Micrography, Tet-Inducible Gene Promoters, and Antibodies to Study Melanoblast Development (by Oetting, Yoon, Pavan, Hammer, Shin and Nishikawa).

And that doesn't even touch the Original Research Articles that are being published in each issue. Nor does it cover the 28 Articles in the Proceedings from the Nagoya International Pigment Cell Conference (most of the Invited Lectures are represented in that 200 page Supplement coming soon to subscribers). If you couldn't afford the time or funds to attend that meeting in person, you really missed something but you can get some of the critical information presented there from the Supplement (nonsubscribers can purchase copies if they wish - contact Dr. Wakamatsu).

Sure, you can see the titles of all these Reviews and Original Research Articles as they come out and you can even access their Abstracts (and for that matter Abstracts from all past issues) from the **Pigment Cell Research** Web site (www.pigment.org). You can even sign up to be automatically notified by Email about articles as they are published. You can now even purchase individual articles from **Pigment Cell Research OnLine** (www.ingenta.com) if you don't subscribe. But why would you want to rely on other sources, or even on your colleagues, when you can have your very own soft, warm and attractive copy to keep forever?

My Editorial Office is now lining up Reviews and Special Articles for next year. I'd welcome input on what you'd like to see in your journal in the future. Let me know at editor@pigment.org.

Vince Hearing, Editor

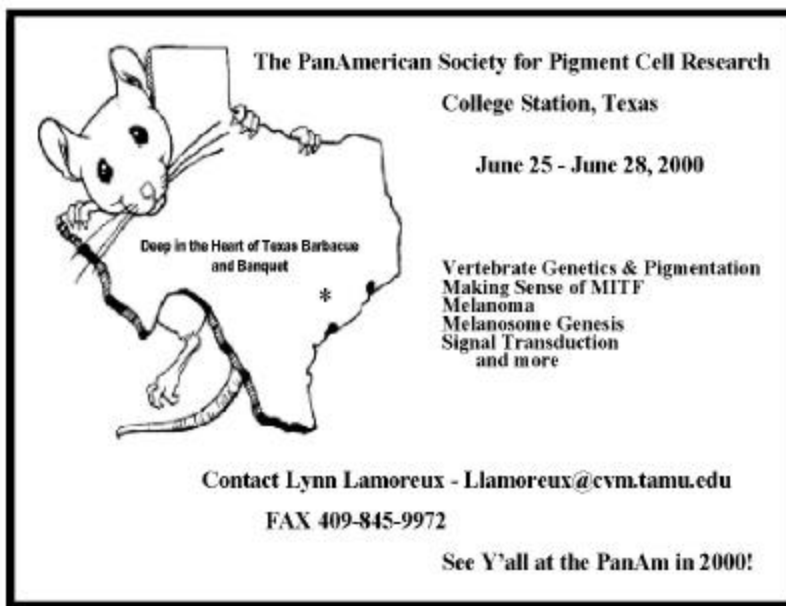
Positions - Wanted and Available :

Postdoctoral Fellows - Cancer and Developmental Biology - Two NIH-funded positions are available for fellows interested in studying the Hedgehog signaling pathway in development and disease using skin as a model system. One project centers on defining the function of the Hedgehog pathway during skin appendage morphogenesis (*Dev. Biol.* 205: 1-9, 1999); a second project focuses on understanding how deregulated activation of this pathway gives rise to basal cell carcinomas (*Nature Genet.* 24: 216-7, 2000). Applicants should have a solid background in molecular and cell biology, with experience in transgenic animal models desirable but not required. Interested individuals should send a CV, letter of interest, and names of three references to: Dr. Andrzej Dlugosz, University of Michigan, Department of Dermatology and Comprehensive Cancer Center, 3310 CCGC, Box 0932, 1500 East Medical Center Drive, Ann Arbor, MI 48109-0932 Email: dlugosza@umich.edu. The University of Michigan is an Equal Opportunity Employer.

Postdoctoral Research Associate - Position available to study the biology of human inherited disorders of pigmentation using gene transfer technology. The successful applicant will have a Ph.D. and/or M.D. with experience in cell biology and molecular biology. Experience in gene transfer/genome manipulation is preferred. Please send curriculum vitae along with the names of three references to Dr. Richard King, Division of Genetics, Department of Medicine, Box 485 Mayo, 420 Delaware St. S.E., University of Minnesota, Minneapolis, MN 55455. Equal Opportunity Employer.

Postdoctoral Position - Ph.D. in molecular biology, biophysics, genetics or biochemistry. Position available to conduct research on molecular mechanisms of cellular response to oxidative stress in human melanocytes and melanoma cells and its regulation for preventive and therapeutic indications. Contact Dr. Frank L. Meyskens Jr.,

Director, University of California-Irvine, Chao Family Clinical Cancer Research Center, 101 The City Drive, Orange, CA 92668, USA. Fax (714) 456-5039 Email flmeyske@uci.edu



HOWDY FOLKS!

We're getting ready for a truly international group of experts at the upcoming 9th annual PASPCR meeting in College Station. Our colleagues will be streaming in from every continent and from all our associations, and we are looking to the meeting with eager anticipation.

You may still register on the web at the following address:

<http://ti.tamu.edu/conferences/paspcr/>

For your hotel reservations please contact the hotel directly before June 10. A block of rooms has been reserved at the Hilton College Station for your convenience. The nightly rate is \$75 for single or double occupancy. Please call 979-693-7500 to make reservations by June 10, 2000. To get the special rate, please refer your reservation to the "Pan American Pigment Cell Society" block of rooms. Reservations must be made by June 10, 2000 to secure the discounted rate. You may also go to the web site of the Hilton College Station at:

<http://www.hiltoncs.com/index-orig.htm>

Be sure to arrange travel all the way to College Station (CLL). We are not particularly close to anywhere else. (That's our charm.)

The College Station Airport is about four miles from the Hilton. The Hilton has a shuttle that can be reached by telephone 979-693-7500. Rental cars are also available at the airport, but you probably won't need a car unless you plan some touring. We recommend reserving in advance. Advantage Rent-A-Car, 979-268-1223. Avis, 979-846-9007. Driving time from Dallas-Fort Worth Airport is about four hours. Driving time from Austin Airport is about two hours.

NOTE - our area code has changed to 979 from 409. This probably will not be a problem before the meeting.

See Y'all Soon!

Lynn Lamoreux
Estela Medrano

Program for the 9th annual PASPCR meeting in College Station

And A Big Thank you to our Sponsors

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Department of Veterinary Pathobiology, Texas A&M University

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Dr. M. Lynn Lamoreux
Dr. Estela E. Medrano
Dr. John Reed
Dr. Xiao Michelle Androulakis
Ms. Mary Jewell
Ms. Jennifer Kristynik

INVITED SPEAKERS

Dr Shin-Ichi Nishikawa, Kyoto University, Faculty of Medicine
Dr Osvaldo L. Pokhajcer, Instituto de Investigaciones Bioquimicas, Buenos Aires
Dr. Shigeki Shibahara, Tohoku University School of Medicine
Dr. Max Amoss, Texas A&M University
Dr. Menashe Bar-Eli, MD Anderson Cancer Center
Dr. Gregory Barsh, Howard Huges Medical Institute, Stanford Sch.Med.
Dr. Ray Boissy, University of Cincinnati Medical College
Dr Lynda Chin, Dana Farber Cancer Institute
Dr. Roger D. Cone, Oregon Health Sciences University
Dr. Colin Goding, Marie Curie Research Institute
Dr. Hee-Young Park, Boston University School of Medicine
Dr. Miri Seiberg, Johnson & Johnson
Dr. George Wolff, USDHH

CHAIRS OF THE SESSIONS

Vertebrate Genetics and Pigmentation

Roz Miltenberger, Oak Ridge National Laboratories
Bill Pavan, NIH

Making Sense of MITF

Heinz Arnheiter, NIH

David Fisher, Dana Farber Cancer Institute

Melanoma

Dot Bennett, St. George's Hospital Medical School, UK
Meenhard Herlyn, The Wistar Institute
Stan Pavel, Leiden University Medical Centre, The Netherlands
Dennis Roop, Baylor College of Medicine

Melanosome Genesis, Function and Transfer to Keratinocytes

Seth Orlow, NYU
Glynis Scott, University of Rochester School of Medicine

Signal Transduction, UV Irradiation and Pigmentation

Zalfa Abdel-Malek, University of Cincinnati Med. School
Ruth Halaban, Yale Medical School

Availability of rooms is 4 pm; checkout by 12 noon.

SATURDAY, JUNE 24

4 pm Hotel rooms available
4 pm to 7 pm Registration available

SUNDAY, JUNE 25

Check in time is 4 pm. You may leave your bags in Mockingbird Room D.

8:00 am Registration desk is open

8:00 am - 1 pm Please put up your posters in the Break room. They will remain for the duration of the conference.

8:00 am - 11:00 Meeting of the Officers, International Society for Pigment Cell Research
Mockingbird Room C

11:00 am - 1:00 Meeting of the Council, PanAmerican Society for Pigment Cell Research
Mockingbird Room C

1 pm Welcome speeches * Theater - Co-Chair Estela Medrano opens

1:15 - 2:00 Keynote Address Dr. Shigeki Shibahara, Tohoku University School of Medicine, MITF isoform multiplicity: Alternative promoters and their separate regulation.
Theater

2:00 - 2:20 Symposium: Making Sense of MITF: Multiple Roles in Human and Mouse Disorders.
Co-Chairs: Heinz Arnheiter, NIH; David Fisher, Dana Farber Cancer Institute Theater

2:20 - 2:35 William J. Pavan. Analysis of WNT signaling in melanocyte development using neural crest directed gene transfer

2:35 - 2:50 Thomas J. Hornyak - Microphthalmia and loss of coat pigmentation from transgenic expression of a neurogenic factor in pigment cell precursors.

2:50 - 3:05 Ling Hou - Interactions of the murine microphthalmia gene (MITF) with the dominant spotting gene (W) in melanocyte development.

3:05 - 3:30 BREAK in break room. **POSTER VIEWING.**

3:30 - 4:15 Invited Speaker Colin Goding - The microphthalmia-associated transcription factor and regulation of gene expression in melanocytes.

- 4:15 - 4:30** S. Brian Potterf - Involvement of SOX10 in melanoblast and melanocyte gene expression.
4:30 - 4:45 Dong Fang - Evidence for a repressor which blocks MITF-mediated transcriptional activation of TRP-1.
- 6:30** Reception - Oakwood Room

MONDAY, JUNE 26, 2000

- 8:00 am** Continental Breakfast - Break Room
8:30 - 8:50 Symposium: Signal Transduction, UV Irradiation and Pigmentation.
Co-Chairs: Zalfa Abdel-Malek and Ruth Halaban.
 Theater
- 8:50 - 9:35** Invited Speaker Hee-Young Park - Regulation of human melanogenesis by protein kinase C-Beta.
 Theater
- 9:35 - 9:50** Zalfa Abdel-Malek - Towards identification of mitogen and stress-induced signaling pathways in human epidermal melanocytes.
9:50 - 10:05 Sheila Mac Neil - α -MSH, oxidative stress and (only when all else fails) melanogenesis.
- 10:05 - 10:30** BREAK in the Break Room **POSTER VIEWING**
- 10:30 - 10:45** Elizabeth Pereira - Differential responses of human epidermal melanocytes and keratinocytes to environmental UVB radiation and arsenic.
10:45 - 11:00 Sumayah Jamal - Endothelin-1: A potential link between ultraviolet irradiation and melanoma invasion.
11:00 - 11:15 Masaki Yoshida - Histamine involved with UVB-induced pigmentation of guinea pig skin.
11:15 - 11:30 Achim H-P Krauss - Differential responses in normal human melanocytes to prostaglandin F2a and Endothelin-1.
11:30 - 11:45 Peter G. Parsons - Action of sunscreens on cells cultured from human skin.
11:45 - 12:00 P. A. Riley - Tyrosinase kinetics: a theoretical model of the mechanism with special reference to the lag period.
- 9:35 - noon** **CONCURRENT SESSION** - Lessons Learned from Vitiligo
 Organizers Pran Das and Carolyn Le Poole
 Mockingbird Room C
- 9:35 - 9:50** Overview of the field
9:50 - 10:05 Pranab K. Das - Polarised type-1 skin homing T cell subsets are associated with melanocyte destruction in vitiligo
- 10:05 - 10:30** BREAK in the break room - **POSTER VIEWING**
- 10:30 - 10:45** Gisela F. Erf - Effects of 5-azacytidine in Smyth line and parental brown line chickens.
10:45 - 11:00 Pranab K. Das - Autoimmunity to tumour immunity: Lesson from immunobiology of melanocyte in vitiligo.
11:00 - 11:15 Caroline LePool - Keratinocytes in lesional vitiligo skin express reduced levels of CDw60.

- 11:15 - 11:30** D. Parsad - Topical calcipotriol and puvasol in the treatment of vitiligo.
11:30 - 11:45 Ramaiah Abburi - A highly successful new treatment of vitiligo - results of clinical trial.
11:45 - 12:00 James J. Nordlund - Vitiligo in Tanzania

OPTIONAL BROWN-BAG TRIP TO SEE THE MELANOMA PIGS

We do not know how many people will want to take advantage of this opportunity, so we ask that you make your own arrangements with the hotel to provide a takeout lunch. Transportation to and from the College of Veterinary Medicine Research Park will be provided at the back door of the Hilton near the Theater.

- 2:00 - 2:20** Symposium: Melanoma: New Genes, Gene Therapy and Animal Models
Co-Chairs: Meenhard Herlyn and Dennis Roop.
 Theater
- 2:20 - 3:05** Invited Speaker Lynda Chin - Modeling malignant melanoma: Pathogenesis and maintenance. Theater
- 3:05 - 3:20** John Pawelek - A spontaneous murine melanoma lung metastasis comprised of host x tumor hybrids.
- 3:20 - 3:35** Steven Kazianis - Molecular genetics of xiphophorus fish melanoma models.
- 3:35 - 3:50** Carola Berking - Melanocyte activation and proliferation in human skin by overexpression of basic fibroblast growth factor in the dermis.
- 3:50 - 4:05** Mohamed Gamei - Treatment of acquired melanocytic nevi by Q-switched ruby laser.
- 4:05 - 4:30** BREAK in break room - **POSTER VIEWING**
- 4:30 - 4:45** Zhiqiang Wang - Alterations in gene expression in a monodelphis metastatic melanoma cell line.
- 4:45 - 5:00** Meenhard Herlyn - Photocarcinogenesis in human adult skin grafts.
- 5:00 - 5:45** Max Amoss - Here today -- gone tomorrow: the story of spontaneous regression of the melanoma of Sinclair swine.
- 6:00 - 6:45** Happy Hour, cash bar at the Hilton. Break Room.
- 6:45** Buses leave from the Hilton to the College of Veterinary Medicine for the Barbecue. No alcohol on campus -- don't miss the bus at the back door of the Hilton near the Theater.

TUESDAY JUNE 27

- 7:00 am** Continental Breakfast - Break Room
- 7:30 - 8:30** **SUNRISE SESSION** - Everyone come to the theater for a presentation by Dr. Alan Moshell, Director
 Skin Diseases Branch
 National Institute of Arthritis and Musculoskeletal and Skin Diseases
 National Institutes of Health

- 8:30 am** Symposium: Melanoma: New Genes, Gene Therapy and Animal Models II
Co-Chairs: Dot Bennett and Stan Pavel.
Theater.
- 8:30 - 9:15** Invited Speaker Menashe Bar-Eli - Gene regulation in melanoma progression. Theater.
- 9:15-9:30** Stan Pavel - A multiple melanoma case with a germline homozygous CDKN2A gene/P16 mutation and glucose-6-phosphate dehydrogenase deficiency.
- 9:30-9:45** Debduitta Bandopadhyay - Human melanocytes exhibit an extended lifespan induced by telomerase expression.
- 9:45-10:00** Dorothy C. Bennett - Genetic manipulation of human melanocyte senescence.
- 10:00-10:15** Caroline LePoole - Antigen loss variants in melanoma: potential induction by interferon- α .
- 10:15 - 10:45** BREAK in break room - **POSTER VIEWING**
- 10:45-11:30** Keynote Address Dr. Osvaldo L. Podhajcer, University of Buenos Aires, Argentina.
SPARC as a Target for Gene Therapy of Malignant Melanoma.
Theater.
- 11:30-11:45** David J. Easty - Loss of expression of two closely related protein tyrosine and melanoma invasion.
- 11:45-12:00** P. K. Das - Tissue environment associated antigen and gene expression in melanocytic lesions?
- 12:00-12:15** Weidong Xu - Overexpression of the oncogene SKI in malignant melanomas: a mechanism to repress the response to TGF- β .
- 12:15-1:30** LUNCH - Here it is - your chance to go out into the glorious sunshine and see the sights of metropolitan College Station. Or you may want to use this time for further discussion with Dr. Moshell or someone you otherwise never get to see in person.
- 1:30 - 1:50** Symposium: Vertebrate Genetics and Pigmentation
Co-Chairs: Roz Miltenberger, Bill Pavan,
Theater
- 1:50 - 2:25** Invited Speaker George Wolff - 1905-2000: regulation of pheomelanogenesis in yellow agouti mice.
Theater
- 2:25 - 3:00** Special Lecture. To be announced.
- 3:00 - 3:30** BREAK in the break room. - **POSTER VIEWING**
- 3:30 - 4:15** Invited Speaker Roger Cone - Recent advances in melanocortin receptor structure and function.
Theater
- 4:15 - 5:30** Invited Speaker Greg Barsh - Genetic and molecular basis of mammalian pigmentation patterns.

- Theater
- 5:30 - 5:45** Shosuke Ito - Interaction of major coat color gene products in mice as studied by chemical analysis of melanins.
- 5:45 - 6:00** Eugene Healy - Effects of human melanocortin 1 receptor variants on pigmentation in transgenic recessive yellow mice.
- 6:00 - 6:15** Rosalynn J. Miltenberger - Molecular analysis of hypomorphic, homozygous-viable alleles at the mouse agouti locus.

7:30 BANQUET at Messina Hof Winery. Meet your buses at the back entrance to the Hilton near the Theater.

WEDNESDAY, JUNE 28

- 8:00 am** Continental Breakfast, Break Room
- 8:30 - 9:15** Keynote Address Dr. Shin-Ichi Nishikawa, Department of Molecular Genetics, Faculty of Medicine, Kyoto University, Japan Patterns of Microenvironmental Factors Regulating Melanocyte Differentiation.
Theater
- 9:15 - 9:35** Symposium: Melanosome Genesis, Function and Transfer to Keratinocytes
Co-Chairs: Glynnis Scott and Seth Orlow.
Theater
- 9:35 - 10:20** *Invited Speaker* Ray Boissy - Dissecting translocation signals via the Hermansky-Pudlak syndrome.
Theater
- 10:20 - 10:35** Invited Speaker Miri Seiberg - The protease activated receptor-2 affects pigmentation by upregulating keratinocyte phagocytosis.
Theater.
- 10:35 - 10:50** Ruth Halaban - Endoplasmic reticulum retention is a common defect associated with tyrosinase-negative albinism
- 10:50 - 11:05** Kazutomo Toyofuku - A new concept of the etiology of oculocutaneous albinism type I - sorting failure and degradation of mutant tyrosinases results in loss of enzyme activity.
- 11:05 - 11:20** Victoria M. Virador - Melanosomal uptake and sorting in co-cultures of melanocytes and keratinocytes.
- 11:20 - 11:35** Prashiela Manga - A role for the pink eyed-dilution gene product in transport of melanosomal proteins.
- 11:35 - 11:50** Ljiljana Minwalla - Inhibition of melanosome transfer to keratinocytes by lectins and neoglycoproteins in an in vitro model system.
- 11:50 - 12:05** M. C. Scott - Regulation of expression of the human melanocortin-1 receptor in epidermal melanocytes from different pigmentary phenotypes.
- 12:05 - 1:00** Meeting of the Membership.

Theater

CHECKOUT TIME IS 12 NOON. YOU MAY LEAVE YOUR BAGS IN THE MOCKINGBIRD ROOM D.

POSTERS

The posters may be set up in the break room on Sunday morning and should not be removed before the end of the meeting on Wednesday morning.

- T. Akiyama Endothelin receptor cDNA cloning from melanocytes of Medaka Fish, *Oryzias latipes*.
Ernest V. Curto DermArrayTM: DNA microarray applications in pigment cell research.
Jeannie Chan Characterization of the CDKN2A and ARF genes in UV-induced melanocytic hyperplasias and melanomas of a opossum (*Monodelphis domestica*).
Pranab K. Das Melanocyte death by T-cell interactions in vitiligo.
Gisela F. Erf Establishment and maintenance of feather melanocyte cultures from vitiliginous Smyth line and parental brown line chickens.
Irma Gimenez-Conti Pigment pattern enhancement and MNU-induced tumor development in a novel *Xiphophorus* fish hybrid model.
Nels Granholm Effects of MC1R modulators (desacetyl-alpha-MSH, alpha-MSH, and agouti protein) on melanogenesis in B16 melanoma cells.
Michael J. Halverson Isolation, cloning and sequencing of porcine agouti-related protein gene (agrp).
A. D. Heath Analysis of variation in melanin content and composition in Tpe V and VI photoprotected and photoexposed human skin.
H. Z. Hill Increased eumelanin is photoprotective for survival of cloudman S91 mouse melanoma cells in UVB and protosensitizing in UVA.
Jae-Sung Hwang A novel synthetic compound with anti-melanogenic property.
Sungbin Im Histopathological characteristics of melasma.
Yoko Kawa Stem cell factor dependent an immortal melanoblast cell line derived from mouse neural crest cells.
Richard A. King OCA1:molecular studies of a complex phenotype.
Tsuneto Kushimoto Melanosome mapping by purification of stage I/II melanosomes.
Tie Chi Lei Studies on regulatory mechanisms of melanogenesis induced by 8-methoxypsoralen in co-cultures of melanocytes and keratinocytes.
Brian Minyard Morphological evaluation of eyes of mice mutant at the *mitf* locus.
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