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 at which you heard work 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 upcoming meetings of interest will also be included. We also want to note any change of affiliation or address that you may have had. 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. This is a very active web-page, and as of May, the PASPCR home page has had over 13,000 ‘hits’. 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 PanAmerican Society for Pigment Cell Research or its sister societies (JSPCR and ESPCR). Send postings to Bill Oetting at bill@lenti.med.umn.edu. Please provide an expiration date 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.
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Calendar of Events:

Oct 30 - Nov 3, 1999  XVIIth International Pigment Cell Conference, to be held in Nagoya, Japan (contact: Dr. Shosuke Ito, Fujita Health University School of Health Sciences, Toyoake, Aichi 470-11, Japan; Phone: +81-562-93-2595; Fax: +81-562-93-4595; Email: sito@fujita-hu.ac.jp)

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)
Corporate Sponsors by James J Nordlund / Raymond Boissy

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.

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PASPCR Council Election Results by James J Nordlund / Raymond Boissy

Congratulations to the new Council Members elected to 3 year terms.

- Meehard Herlyn
- Helene Z. Hill
- Giselle Thibadeau

And congratulations to our new President-Elect.

- Zalfa Abdel-Malek

Scientific Program for the 17th International Pigment Cell Conference
To be held in Nagoya, Japan, October 30th to November 3rd, 1999

There will be 5 Special Lectures (SL), 13 Symposia (plenary or concurrent), 1 Special Symposium (with 5 Hot Topics talks), 2 Evening Sessions, 2 Poster Sessions, a Public Forum, and 4 Satellite Meetings. Each Symposium will consist of 1 Keynote Lecture (KL), 2 Invited Lectures, and 3 papers selected from submitted abstracts. Participants are encouraged to compete for the 3 papers to be presented orally in each Symposium. Note: Only a single projector will be available in each Symposium Room.

For more information, see the 17th IPCC web site at [http://www.fujita-hu.ac.jp/IPCCNagoya/](http://www.fujita-hu.ac.jp/IPCCNagoya/) or contact the Meeting Chair, Dr. Shosuke Ito at: **Fujita Health University School of Health Sciences, Toyoake, Aichi 470-11, Japan; Phone: +81-562-93-2595; Fax: +81-562-93-4595; Email: sito@fujita-hu.ac.jp**

1st Day, Saturday, October 30, 1999

- 09:30 - 11:00 Regional Society Council Meetings
- 10:00 - 20:00 Registration
- 11:00 - 13:00 IFPCS Council Meeting 1
- 13:00 - 17:00 Satellite Meeting 1
  - SM1 Vitiligo: A Manifestation of Apoptosis?
  - Organizers: Seung-Kyung Hann, James J. Nordlund, and Jean P. Ortonne
13:00 - 17:00  Satellite Meeting 2  
SM2 Genetics of Pigmentation  
Organizers: Richard A. King and Yasushi Tomita

15:00 - 20:00  Poster Set Up  
18:00 - 19:30  Welcome Reception (at the NCC)

2nd Day, Sunday, October 31, 1999

08:00 - 18:00  Registration  
08:00 - 12:00  Poster Set Up  
08:00 - 08:30  Light Breakfast  
08:30 - 08:40  Opening Remarks  
08:40 - 09:20  Special Lecture 1  

SL1 Molecular Biology of Catecholamines and Tetrahydrobiopterin Cofactor  
Toshiharu Nagatsu

09:20 - 10:00  Special Lecture 2  

SL2 Dual Control of Melanogenesis and Melanoma Growth: Molecular to Clinical Level and the Reverse  
Yutaka Mishima

10:00 - 10:30  Break  
10:30 - 12:30  Plenary Symposium 1  

PS1 Biochemistry of Melanogenesis, Melanosomes, and Melanocytes  
KL1 Induction and Activation of Tyrosinase Gene Family for Melanosome Biosynthesis and Melanocyte Differentiation  
Kowichi Jimbow

12:30 - 13:30  Lunch and Poster Viewing  
13:30 - 14:30  Poster Viewing  
12:30 - 14:30  Tea Ceremony (at Shiratori Garden)  
12:30 - 14:30  Pigment Cell Research Editor’s Meeting  
14:30 - 16:30  Concurrent Symposia 1, 2  

CS1 Vitiligo and Related Pigmentary Disorders  
KL2 Intrinsic and Extrinsic Pathomechanisms in Vitiligo  
Alain Taieb

CS2 Chemistry and Biophysics of Melanin and Melanogenesis  
KL3 Chemical Analysis of Melanins and Its Application to the Study of Melanogenesis Regulation  
Shosuke Ito

16:30 - 16:45  Break  
16:45 - 18:45  Plenary Symposium 2  

PS2 Basic Biology of Melanoma  
KL4 The Biology of Melanoma Development  
Meenhard Herlyn
18:45 - 20:00  Evening Sessions 1, 2
ES1 Melanoblasts, Melanocytes and Melanoma Cells: What Is in Common and What Is Not?
Dorothy Bennett, Meenhard Herlyn, Tomohisa Hirobe

ES2 Advances in Melanoma Management
Alistair J. Cochran, Toshiro Kageshita, Frank L. Meyskens, Jr.

3rd Day, Monday, November 1, 1999

08:00 - 18:00  Registration
08:00 - 08:30  Light Breakfast
08:30 - 10:30  Plenary Symposium 3
   PS3 Molecular Biology of Pigmentation and Pigment Cells
   KL5 Regulation of Pigment Cell-Specific Gene Expression by MITF
   Shigeki Shibahara

10:30 - 10:50  Break

10:50 - 11:30  Special Lecture 3 "Seiji Memorial Lecture"
   SL3 Melanoma Genes and the Senescence and Immortalization of Melanocytes
   Dorothy C. Bennett

11:30 - 12:00  IFPCS General Assembly
12:00 - 13:00  Regional Society General Assemblies
13:00 - 14:30  Poster Session 1
   Odd-numbered Poster Authors

14:30 - 16:30  Concurrent Symposia 3, 4
   CS3 Melanoma: Ultraviolet Light, Diagnosis and Treatment
   KL6 Understanding Regulation of NFKB as a Basis for Melanocyte Transformation and Melanoma
   Cell Therapeutic Resistance
   Frank L. Meyskens, Jr.

   CS4 Comparative Biology of Pigmentation
   KL7 Dynamics of Pigment Cells in Poikilothermal Vertebrates
   Noriko Oshima

16:30 - 16:45  Break

16:45 - 18:45  Plenary Symposium 4
   PS4 Inter/Intracellular Signaling Pathways in Melanocytes
   KL8 Microenvironment-dependent Regulation of Melanocyte Differentiation
   Shin-Ichi Nishikawa

4th Day, Tuesday, November 2, 1999

08:00 - 08:30  Light Breakfast
08:30 - 09:10  Special Lecture 4 Presidential Address
   SL4 The Melanosome: The Perfect Model for Cellular Responses to the Environment
Vincent J. Hearing

09:10 - 09:50 Special Lecture 5
  SL5 Role of Neuropilin in Development of Peripheral Nervous System
  Hajime Fujisawa

09:50 - 10:10 Break

10:10 - 12:10 Concurrent Symposia 5, 6
  CS5 Melanocyte Photobiology /Chemistry and UV Protection
  KL9 Tanning as Part of the SOS Response
  Barbara A. Gilchrest

  CS6 Ocular/Extracutaneous Melanin and Melanogenesis
  KL10 Melanogenesis and Growth of Ocular Pigment Cells
  Dan-Ning Hu

12:30- 17:30 Excursions
  EX1 Castles in Nagoya
  EX2 Culture in Nagoya
  EX3 Industries in Nagoya

18:00 - 19:00 Reception (at the Miyako Hotel)
19:00 - 21:30 Awards Banquet

5th Day, Wednesday (Holiday), November 3, 1999

08:00 - 08:30 Light Breakfast
08:30 - 10:10 Plenary Symposium 5
  "Hot Topics" Symposium
  PS5 Recent Advances in Pigment Cell Research

10:10 - 10:30 Break

10:30 - 12:30 Concurrent Symposia 7, 8
  CS7 Genetics of Pigmentation
  KL11 Biochemical and Genetic Studies of Endogenous Melanocortin Receptor Antagonists
  Gregory S. Barsh

  CS8 Control of Hyper /Hypo-pigmentation
  KL12 Keratinocyte/Melanocyte Co-cultures and Pigmented Reconstructed Epidermis as Models to
  Study Skin Pigmentation and Its Modulation
  Rainer Schmidt

12:30 - 13:30 Lunch
12:30 - 13:30 Women Scientists Forum (with lunch)
13:30 - 15:00 IFPCS Council Meeting 2
13:30 - 15:00 Poster Session 2
  Even-numbered Poster Authors

15:00 - 17:00 Plenary Symposium 6
  PS6 Developmental Biology of Pigment Cells
KL13 From the Neural Crest to the Pigment Cells
Nicole M. Le Douarin

15:00 - 17:00 Public Forum
Wonder of Animal Colors
Hiroshi Hori, P. Bernhardt Koch, James J. Nordlund

17:00 - 18:30 Poster Prizes and Farewell Drink (at the NCC)

6th Day, Thursday, November 4, 1999

09:00 -17:00 Satellite Meeting 3
SM3 Cellular and Molecular Control of Pigment Cell Development
Organizers: Dorothy C. Bennett, Randolph Morrison, Shin-Ichi Nishikawa

09:00 - 13:00 Satellite Meeting 4
SM4 Sentinel Node Mapping and Dissection in Diagnosis and Treatment of Melanoma
Organizers: Alistair J. Cochran and Toshiaki Saida

Update for the IXth Annual Meeting of the PASPCR by Lynn Lamoreux

We had our telephone Council meeting today. Remarkable, talking all at once to New Haven, Minneapolis, Bryan/College Station. This is almost as fascinating as the concept of flying across the international date line, and always puts me in a philosophical mood.

Hmmm.

Bryan/College Station.

Here I am now In Bryan (currently in the final cut for All American City), in the fastest growing county of the fastest growing state, the place where former presidents come to raise up their sons to be future presidents. Our newest member of NAS (we have several - also Nobel Prize winners, President of AMA, etc., etc.) asked me yesterday: “Would you want to live anywhere else?”

I guess not. Been there; done that. I’m driving home (it’s about 14 miles, none of which is in the city). Above, cloud-shadow rays of the setting sun streak across the clearest of skies, soft, the colors of pinkeyed mice and himalayan mice, meeting the rising moon. It’s perfect shirt-sleeve weather. No need to put anything on; no need to take anything off. Invisible under the wheels lies one of the richest oil fields in the world. But is it richer than the masses of golden Texas sunflowers that border the road? Or my neighbor’s brindle F1 heifers (the gene is carried by the hereford mother), or his corn waving in the field beyond that I cannot see over even from horesback? I don’t think so. Without these riches there would be no Bethesda or no Cincinnati, and California would probably drop off the edge as threatened.

When I get home I pen the ewes (the colors of black, brown and Sl/SI<sup>d</sup> or Mii<sup>OR</sup>/Mi<sup>B</sup> mice) to check for impending births and it occurs to me that -- without Dolly and her multitude of amphibian and murine relatives --
there would be no cloning. Without biological systems there would be no point to molecular biology. It would, in fact, not be biology. And without biological controls to confirm in vitro results, molecular biology would still be tottering along in it’s descriptive stages instead of transmuting the physiological genetics of my major professor -- OK, me too -- into the physiological genomics of tomorrow’s professors. (That, by the way is one of the subjects to be covered at our next PASPCR meeting. And those yellow mice were right in there the whole way!). Because we at TAMU have two (at least) of the best resources that exist in terms of animal models, and because our institution is somewhere near the top ten nationally in funding for basic, medical and veterinary research, we want our next meeting to address these riches and the ways in which they enable worldwide advances in biochemistry, cell biology and molecular biology and medicine.

And without the opportunity for cooperation toward a goal, there would be no point to competition. That’s why PASPCR is our favorite organization, and that’s the theme for the ninth annual meeting to be held in College Station, Texas during June 25-28, 2000.

If anyone can think of a shorter way to say it, please let me know.

Topics to be covered at the meeting will include:

Vertebrate Genetics and Pigmentation (that includes people) with invited speakers including Shin-Ichi Nishikawa, Greg Barsh, Roger Cone and George Wolff.

Making sense of MITF: its multiple roles in human and mouse disorders, with invited speakers including Shigeki Shibahara and Colin Goding.

Melanoma: New genes, gene therapy and animal models with invited speakers including Osvaldo Podhajcer, Menashe Bar-Eli and Max Amoss.

Melanosome Genesis, Function and Transfer to Keratinocytes, with invited speakers including Ray Boissy and Miri Seiberg

Signal Transduction, UV Irradiation and Pigmentation, with invited speakers including Hee-Young Park

Don’t forget Vince Hearing!

You can see we will be plenty busy with meeting, but if you can stand the heat, bring the kids. This is a family-friendly community with lots of friendly activities for everyone.

Lynn

Positions - Wanted and Available:
Postdoctoral Positions, in the Department of Cell Biology at the NYU School of Medicine are available to study the biogenesis of melanosomes using a combined cellular, molecular and genetic approach. Prior experience in molecular or cell biology required. Applications from those with prior experience with yeast, Drosophila etc. interested in applying their skills to a mammalian system with strong genetics are especially welcome. A track record of productivity is essential. Send CV, brief description of experience and names of 3
Postdoctoral Research Associate - Position available to study the biology of human inherited disorders of pigmentation using mouse knockout technology. The successful applicant will have a Ph.D. and/or M.D. with experience in cell biology and molecular biology. Experience with production of knockout mice using ES cell technology 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

Members in the News -

Seymour Pomerantz - is retiring and going to Israel. We will miss his presence, but fortunately, not his valuable antibodies. As part of his contribution to aid in future pigment cell research, he has sent all his antibodies to Ruth Halaban for distribution. As part of this lot, Dr. Pomerantz has left several tubes containing anti-MSH rabbit serum. Ruth would like someone in the society to store these antibodies and distribute them to interested investigators. If you are interested in helping in the utilization of this valuable resource, please contact Dr. Ruth Halaban.

Ray Boissey - has retired as the Treasure of the PASPCR and this position will be taken up once again by Jim Nordlund. We would like to thank Ray for his help in taking up this important task.

Bibliography:

The Bibliography published in this issue covers the period February, 1999 through April, 1999. If you notice a paper that was not detected by this search that should be included, please send it to us and we will include it in the next issue. By its very nature, assignment of a reference to a particular category may be arbitrary and we urge you to read through all categories to make sure you don't miss any pertinent to your field. We have attempted to highlight any publications which include a member of the PASPCR with a star (sorry if we missed you but let us know and you'll get a free marked repeat in the next issue).

MELANINS, MELANOGENS & MELANOGENESIS


Iliia M, Jeffery G: Retinal mitosis is regulated by dopa, a melanin precursor that may influence the time at which cells exit the cell cycle: Analysis of patterns of cell production in pigmented and albino retinae. J.COMP NEUROL. 405:394-405 (1999).


**MELANOCYTES & KERATINOCYTES**


MELANOMA & METASTASIS


Griffioen M, Ouwerverk JIM, Harten V, Schrier PI: HLA-B down-regulation in human melanoma is mediated by sequences
Skrasilnikov M, Adler V, Fuchs SY, Dong Z, Haimovitz-Friedman A, Herlyn M, Ronai Z: Contribution of phosphatidylinositol 3-


MSH, POMC, GROWTH FACTORS & RECEPTORS


Teh MT, Sugden D: The putative melatonin receptor antagonist GR128107 is a partial agonist on Xenopus laevis melanophores. BRIT.J.PHARMACOL. 126:1237-1245 (1999).


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