

ISME Workshop on Open Questions in Molecular Evolution

Guanacaste, Costa Rica, April 18–23, 1994

Organizers: Giorgio Bernardi, Morris Goodman, Barry Hall, Gabriel Macaya, and Mary-Jane West-Eberhard

The International Society of Molecular Evolution (ISME) organizes a Workshop on “Open Questions in Molecular Evolution” with the financial support of the Sloan Foundation, the International Center for Genetic Engineering and Biotechnology, the International Union of Biochemistry and Molecular Biology, and the Committee on Genetic Experimentation of the International Council of Scientific Unions.

The Workshop will take place April 18–23 at the Hotel Las Espuelas, near Liberia, in the province of Guanacaste, Costa Rica. The hotel is located in the proximity of two conservation areas, Tempisque and Guanacaste (Santa Rosa Park).

A tentative Program is given below. There will be room for about 40 additional participants. Interested persons should write to G. Bernardi, Laboratoire de Génétique Moléculaire, Institut Jacques Monod, 2 Place Jussieu, 75005 Paris, France; Tel. (33-1) 43 29 58 24, Fax (33-1) 44 27 79 77, E-mail “Bernardi@arthur.citi2.fr”. Some time will be available for short presentations. Posters are welcome. A special issue of the *Journal of Molecular Evolution* will be devoted to papers presented at the Workshop.

Tentative Program

As of February 10, 1994, only confirmed speakers are listed; additional invitations are pending.

Sessions

Monday Afternoon (April 18)

Genome dynamics and mechanisms in molecular evolution:

Werner Arber (Basel)
Gabby Dover (Leicester)

Norihiro Okada (Yokohama)

Emile Zuckerkandl (Palo Alto)

Tuesday (April 19)

Isochores and the selectionist-neutralist controversy:

Giacomo Bernardi (Pacific Grove)
Giorgio Bernardi (Paris)
Roy Britten (Corona del Mar)
Adam Eyre Walker (Piscataway)
Christian Gautier (Lyon)

John Gillespie (Davis)
Gerry Holmquist (Duarte)
Austin Hughes (Penn State)
Toshimichi Ikemura (Mishima)
Wen-h. Li (Houston)

Dominique Mouchiroud (Lyon)
Hector Musto (Montevideo)
Tomoko Ohta (Mishima)
Noboru Sueoka (Boulder)
Ken Wolfe (Dublin)

Wednesday (April 20)

The chaos game representation of nucleotides sequences; long-distance correlations in DNA:

James Fickett (Los Alamos)	Sam Karlin (Stanford)	Gabriel Macaya (San José)
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Selection-induced mutations:

John Cairns (Oxford)	Paul Sniegowski (East Lansing)	Barry Hall (Rochester)
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Thursday (April 21)

Mammalian phylogeny:

Ulfur Arnason (Lund)	David Hewett-Emmett (Houston)	Cecilia Saccone (Bari)
Jaap Beintema (Groningen)	Rodney Honeycutt (Washington)	Horacio Schneider (Belem)
Wilfried De Jong (Nijmegen)	Wen-H. Li (Houston)	Kenneth Tartof (Philadelphia)
Morris Goodman (Detroit)	Jean-Claude Mounolou (Gif sur Yvette)	Richard Tashian (Ann Arbor)
Dan Graur (Tel Aviv)	John Pettigrew (Brisbane)	

Friday (April 22)

Antiquity of introns—Protein evolution with and without introns:

Rudiger Cerff (Braunschweig)	Takashi Gojobori (Mishima)	Jeff Palmer (Davis)
Wally Gilbert (Cambridge, MA)	Susumu Ohno (Duarte)	Edward Trifonov (Rehovoth)
Mitiko Go (Nagoya)		

Evolution of viral sequences:

Walter Fitch (UCLA)	Marilyn Roossinck (Ardimore)	Paul Sharp (Nottingham)
Sam Karlin (Stanford)		

Saturday Morning (April 23)

Excursion.

General Lectures and chairmanships:

Rodrigo Gamez (San José)	Richard Keynes (Cambridge)	William Provine (Ithaca, NY)
Hugo Hoenigsberg (Bogota)	Roger Lewin (Cambridge, MA)	Mary-Jane West-Eberhard (San José)

Symposium: “SINEs, LINEs, and Retrotransposable Elements: Functional Implications”

Granlibakken, California, July 7–10, 1994

Sponsored by the Alfred P. Sloan Foundation and the Department of Energy, under the auspices of the International Society of Molecular Evolution

Invited speakers include: Mark Batzer, Giorgio Bernardi, Jeff Boeke, Jurgen Brosius, Prescott Deininger, Walter Doerfler, Marshall Edgell, Thomas Eickbush, Tom Fanning, Anthony Furano, Morris Goodman, Stephen Hardies, Thierry Heidmann, Bruce Howard, Jerzy Jurka, Haig Kazazian, Damian Labuda, Richard Maraia, Sandra Martin, Norihiro Okada, Yves Quentin, Gerard Roizes, Suzanne Sandmeyer, Carl Schmid, Maxine Singer, Nikolai Tomilin, and Emile Zuckerkandl.

Poster Sessions will be scheduled; and upon conclusion of the general sessions, small workshops will be arranged.

The cost of food and lodging for the symposium starts at \$300.00 per person double occupancy. Cost includes three nights lodging, three breakfasts, lunches, and dinners and all tax and services.

Participants may directly register with: Granlibakken Conference Center, P.O. Box 6329, Tahoe City, California 96145; Tel: (800) 543-3221; Fax: (916) 583-7641.

For further information, contact: Carl Schmid, Molecular and Cellular Biology Section, University of California, Davis, 149 Briggs Hall, Davis, California 95616; Tel: (916) 752-9029; Fax: (916) 752-3085.