

prof. Miroslav Radman

SHORT BIOGRAPHY

Born April 30, 1944 in Split (Croatia).

Citizen of Croatia and France; Resident of France.

Married to Danica Radman, ethnomusicologist, three children .

Languages (spoken and written): Croatian, French, English, German and Italian.

STUDIES AND DEGREES

1962-66: B. Sc. in experimental biology and physical chemistry, University of Zagreb, Yugoslavia.

1966-67: Graduate studies in molecular biology, University of Zagreb.

1967-69: Graduate research in Department of Molecular Biology, Free University of Brussels, Belgium.

1969: Ph.D. from the Free University of Brussels, Belgium.

POSITIONS HELD

1965-67: Part-time research assistant to Professor Ivan Supek, Institute for Philosophy of Science and Peace Research. Zagreb, Yugoslav Academy of Science and Arts. Experimental work with Dr. M. Drakulic (Institute Ruder Boskovic Zagreb, Croatia).

1967-69: Pre-doctoral research fellow with Professors M. Errera and R. Thomas, Dept. of Molecular Biology, Free University of Brussels, Belgium.

1969-70: Post-doctoral research fellow with Professor R. Devoret, Centre National de la Recherche Scientifique, Gif-sur-Yvette, France.

1970-73: Post-doctoral Research Fellow with Professor M. Meselson, Dept. of Biochemistry and Molecular Biology, Harvard University, Cambridge, Ma, U.S.A.

1972: Nomination as Associate Professor of Molecular Genetics, Department of Molecular Biology, Free University of Brussels.

1973-83: Tenured Research Professor and head of the Laboratory of Enzymology of DNA, Dept. of Molecular Biology, Free University of Brussels, Belgium.

1983-98: Research Director of the French Centre National de la Recherche Scientifique, Institute Jacques Monod (University Paris 7, Paris, France).

1988/90: Visiting Scientist, National Institutes of Environmental Health Sciences, National Institutes of Health, Research Triangle Park, NC 27709, USA. 1993: National Coordinator of the French Genome Project entitled "Genetic Instabilities Associated with Repeated DNA Sequences".

1998: Professor of Cell Biology, Medical School "Necker – Enfants Malades", Université Paris 5.

1999: Director, INSERM research unit U571 "Medical and evolutionary molecular genetics"

Since 2004: Science adviser to the Prime Minister of Croatia

FELLOWSHIPS

- 1967-69: Predoctoral fellowship of the EMBO (European Mol.Biol. Org.)
1969: Postdoctoral fellowship “Joliot-Curie” from Fondation Curie, France.
1970: Postdoctoral fellowship of the EMBO.
1971: Postdoctoral fellowship of the Jane Coffin Childs Foundation for Medical Research, New Haven, Conn., U.S.A.
1972: Second J.C.C.F. fellowship.
1988: Fogarty Foundation Research Professorship, N.I.H., U.S.A.

HONORARY AWARDS

- 1979: “Antoine Lacassagne” Grand Prix, Award of the French Ligue Against Cancer (Ligue Nationale Française contre le Cancer) for the discovery of the mutagenic SOS system in bacteria.
1990: “Golden Eureka of Innovation”
1991: FEBS International Lecturer.
1992: “Charles Leopold Meyer” Grand Prix Award of the French Academy of Science for the discovery of DNA error correction (mismatch repair).
1992: Medal of Honor: Society for the Encouragement of Progress.
1998: Medal “Spiridion Brusina” at the 100th anniversary of the Croatian Naturalists’ Society.
1998: Grand Prix “Leopold Griffuel” of the Association pour la Recherche sur le Cancer for the contributions to the field of DNA repair.
2000: Grand Prix “Richard Lounsbery” Joint Award of the French and United States national academies of science for the discovery of mismatch repair as a genetic barrier between related species.
2000: Science Award 2000 from the “U.S. Environmental Mutagen Society” for “his far-reaching research contributions to understanding the profound consequences of mutation and recombination, in global genomic responses, DNA repair, cancer and evolution”.
2000: “Katzir Katchalsky Honorary Lecturer”, Weizmann Institute, Israel.
2002: Honorary Visiting Professor of Molecular Genetics, Medical Faculty and Faculty of Science, University of Zagreb, Croatia.
2003: Grand prix Inserm
2004: Leonardo Award for creativity in scientific research

MEMBERSHIP

EMBO member (1978), Croatian Academy of Sciences and Arts (1992), Academia Europaea (1998), French “Académie des Sciences” (full member, 2002), The New York Academy of Sciences (1993), American Association for the Advancement of Science (1992), French Genetics Society (Scientific Council), American Environmental Mutagen Society (1993); Scientific Council of the Institut Curie in Paris (1985-89), Commission of European Communities; Scientific Panel Committee for Life Sciences (1991), National Coordinator of the Genome Program “Genetic Instabilities associated with Repeated DNA Sequences”(1994).

RESEARCH GRANTS

Received since 1974:

Over 60 grants.

INTERNATIONAL SYMPHOSIA and WORKSHOPS

- 27 Plenary, Introductory or Closing Lectures
- Invited speaker: 109 congresses in Europe, 66 congresses in U.S.A. and Canada, 8 congresses in Japan, 2 congresses in India, 1 congress in China, 2 congresses in Australia and New Zeland, 3 congresses in Israel.
- Chairman: 38 congresses.
- Lecturer-instructor to 3 EMBO courses, 5 Euratom (CEC) courses and 3 NATO Courses.
- Organizer or Co-organizer:
 - Experimental Course “Fidelity of replication and expression of genetic material”, Brussels 1978 (10 days).
 - First EMBO Workshop on Accuracy in Biology, Grignon, France (1978) (with J. Ninio, J. Hopfield, C. Kurland).
 - Banbury Conference on DNA Repeats and Human Gene Mutations, Cold Spring Harbor Laboratory, Oct. 1992.
 - Round Table “Genetic Instabilities Associated with Repeated DNA Sequences” French Genome Project (GREG), Gif-sur-Yvette, January 1994.
 - Gordon Research Conference on Mutagenesis, Bates College , Lewiston, Main, USA, July 2002.

SEMINARS and CONFERENCES

About 450 in Europe, U.S.A., Japan, Canada, Australia and Brasil on the subjects of DNA repair, replication, recombination, mutagenesis, carcinogenesis, bacteriology, genotoxicology, aging and evolution.