

CURRICULUM VITAE

PROSPERI, Ennio

Present position: Senior Researcher at CNR (National Research Council of Italy)
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Studies and training

1978: Master degree in Biological Sciences (full marks and honors).
1978-1979: Training in Cytochemistry and Cytofluorometry at Centro di Studio per l'Istochimica del CNR, Pavia (Italy).
1980-1981: CNR fellowship at the Department of Histochemistry and Cytochemistry, University of Leiden, The Netherlands, under the direction of Prof. M. Van der Ploeg.
1981-1982: PhD school in Physiological Sciences (University of Milano).
1983: Course in Fluorescence Microscopy, Royal Microscopical Society, Oxford, UK.
1987: Course "DNA damage and repair in cancer chemotherapy (held by K.W. Kohn, Bethesda, USA), organized by Istituto M. Negri, Milano, 29-30 settembre 1987".
1991: Seminar on Hybridization Techniques of Nucleic Acids (DNA probes), Milano, Italy.
1995: Practical course on Coulter Flow Cytometers, Milano, Italy.
2000-2001: Stages at the Station Biologique (CNRS), Cell Cycle Group (collaboration with L. Meijer), Roscoff, France.

Positions and teaching activities

2001-present: Senior researcher CNR (permanent position).
1984-2000: CNR researcher (permanent position).
1982-1983: CNR researcher (contract).
1989-present: Tutorship for graduating and PhD students
2008-present: Teacher in the Doctoral School in Genetics, Molecular and Cellular Biology, University of Pavia.
1996-2011: Lecturer in Physiology and Pathology of the Cell Cycle, Medical Faculty, University of Pavia.
2001-2002: Teacher for "Master in techniques of microscopical analysis in Biology", University of Pavia.
2001: Teacher in the post-graduate schools in Oncology, and in Clinical Pathology School, Medical Faculty, University of Pavia.
1983-1987: seminars in the Post-graduate Schools of Histochemistry, and Cytochemistry and Cytomorphology, Pavia University.

Leaderships of projects

2017-2018: CNR Flagship Project "InterOmics": PCNA acetylation as a novel tumor biomarker through analysis of *Pcna*-targeted cell lines carrying specific mutations .
2016-2018: AIRC project (grant IG 2015 no. 17041) "Dissecting the role of p21(CDKN1A) in

DNA repair and its influence in the cell response to antitumor genotoxic drugs”.

2012-2014: AIRC Project (grant IG 2011 no. 11747) “Functional analysis of PCNA acetylation and its effects on genome stability in different model systems”

2009-2011: AIRC Project (grant IG 2008 no. 5126) “New roles for p21 (CDKN1A) protein in the DNA damage response: involvement in DNA repair pathways”.

2000-2001: Bilateral Project Italy/France CNR/CNRS: Effects of purine derivatives, and of new chemical inhibitors of protein kinases, on the cell cycle of normal and tumor cells.

1996-2004: CNR Project: Mechanisms of cell cycle control: physiologic conditions and alterations by genotoxic DNA damage.

Participation to other Research Projects

2007-2008: MIUR Project (PRIN 2006/069475) In search for missing connections between DNA repair and DNA damage checkpoint pathways

2003-2005: MIUR Project FIRB RBNE0132MY “Epigenetics”.

2000-2003: EC Project "Anthocyanin bioactivities" QLRT-1999-00124, Work Package no. 5.

1997-2001: CNR Special Project "Biotechnologies": New diagnostic approach for characterization of genotoxic DNA damage: Comet Assay multiparameter with fluorescent probes and time-resolved imaging.

1997-1999: CNR Strategic Project “Mapping and Sequencing of Human Genome”: methodologies for chromosome analyses.

1989-1993: CNR Special Project “Biotechnology and Bioinstrumentation”: Methods for time-resolved cytofluorometry determinations of DNA probes.

1995: Progetto Regione Lombardia “Analysis by means of monoclonal antibodies of human DNA topoisomerases in the proliferation of normal and tumor cells.

1979-1983: CNR Special Project "Control of neoplastic growth": intracellular activity of antitumor drugs by cytochemical and cytokinetic studies.

1984-1988: CNR Special Project “Oncology”: activity and effects of anthracycline derivatives.

1979-1982: CNR Special Project “ Power Lasers”: effects induced by laser radiation on biological tissues.

Editorial activity

Member of the Editorial Board of “Current Cancer Drug Targets”.

Reviewer activities

Projects:

- ISRAEL SCIENCE FOUNDATION (Israel);
- WELLCOME TRUST (UK);
- INSERM (France);
- NWO (Netherlands);
- SHEFFIELD HOSPITAL CHARITABLE TRUST (UK).

Scientific Journals:

- Nucleic Acids Research
- PNAS
- Oncogene
- J Cell Science, Oncotarget, FEBS Open, BBA-Mol. Cell Res., Cell Cycle, Plos One, BMC Biochemistry; Curr. Cancer Drug Targets; BMC Cancer, Cancers, Int. J. Mol. Sci.,

Organization of International and National Meetings

- 10th International Conference on Environmental Mutagens (ICEM), Florence, 20-25 August 2009. Managing Committee
- 9° Convegno FISV, Riva del Garda 26-29 settembre 2007. Special Interest Subgroups -1. The DNA damage and DNA replication stress response: from old to new techniques and model systems. Organizers: E. Prosperi e P. Pichierri.

Chairman

- 10th International Conference on Environmental Mutagens (ICEM), Florence, 20-25 August 2009; Chairman session "Looking into the Future: Genome Wide Technologies in Toxicology".
- 18th Wilhelm Bernhard Workshop on the Cell Nucleus, Pavia, 4-8 settembre 2003. Chairman session: Cell Cycle.
- XX Conferenza Nazionale di Citometria, Spoleto, 6-10 Ottobre 2003
- XVIII Conferenza Nazionale di Citometria, Chioggia, 2-5 Ottobre 2001
- XVI Riunione Nazionale di Citometria, Piano di Sorrento, 10-12 Novembre 1999

Speaker in International Meetings

- Selected speaker: The 3rd Erling Seeberg Symposium on DNA Repair, 19-24 June 2012, Trondheim and Orland (Norway). Title: "The acetyltransferases p300/CBP interact with, and acetylate XPG protein in nucleotide excision repair".
- Invited speaker: ESF-EMBO Symposium on "Spatio-Temporal Radiation Biology: Transdisciplinary advances for Biomedical Applications", 16-21 May 2009, San Feliu de Guixols (Spain); title: "Spatio-temporal aspects of cell response to DNA damage: recruitment of checkpoint and DNA repair proteins at DNA damage sites".
- Invited speaker: Conferences Jacques-Monod "Biological Responses to DNA Damage", 11-15 October 2008, Roscoff (France); title: "A basic role for p21^{CDKN1A} in the DNA damage response by regulation of PCNA interaction with proteins involved in chromatin modification".
- Selected speaker: 46th Symposium of the Society for Histochemistry, 22-25 September 2004, Prague (Czech Republic); title: "Nuclear localization of p21CDKN1A does not affect PCNA-dependent nucleotide excision repair in human cells".