



HFSP AWARDS 2005

CROSS-DISCIPLINARY FELLOWSHIPS

as approved by the Board of Trustees (March 21, 2005)

ALBERTIN Luca ITALY	From	Department of Chemistry University Science Laboratories Durham UK	<i>Well-defined multivalent glycoligands for exploring influenza virus-host cell binding mechanism</i>
	To	CNRS Lyon FRANCE	Supervisors: Marie-Therese CHARREYRE & Florence PRADEL
BEN-TABOU DE-LEON Smadar ISRAEL	From	Racah Institute of Physics The Hebrew University of Jerusalem ISRAEL	<i>Reengineering the sea urchin embryo by controlling cis-regulatory elements of transcription factors</i>
	To	Department of Biology California Institute of Technology Pasadena USA	Supervisor: Eric DAVIDSON
BIRON David ISRAEL	From	Physics of Complex Systems Weizmann Institute of Science Rehovot ISRAEL	<i>Mechanisms underlying thermal memory in C. elegans: from molecular detail to neuronal activity</i>
	To	Physics Department / Biology Department Harvard University / Brandeis University Cambridge / Waltham USA	Supervisors: Aravinthan SAMUEL & Piali SENGUPTA
CHARVIN Gilles FRANCE	From	Laboratoire de Physique Statistique Ecole Normale Supérieure Paris FRANCE	<i>Control of temporal fluctuations in the yeast cell cycle investigated at the single cell level</i>
	To	Laboratory of Yeast Molecular Genetics Rockefeller University New York USA	Supervisors: Frederick CROSS & Eric SIGGIA
EBENSTEIN Yuval AUSTRIA/ISRAEL	From	Department of Physical Chemistry The Hebrew University of Jerusalem ISRAEL	<i>High-resolution localization of gene transcription regulator binding sites on whole bacterial DNA</i>
	To	Department of Chemistry and Biochemistry University of California Los Angeles USA	Supervisor: Shimon WEISS

<p>ELDAR Avigdor ISRAEL</p>	From	<p>Weizmann Institute of Science Rehovot ISRAEL</p>	<p><i>Noise buffering in microbial development: temporal variations in Bacillus subtilis sporulation</i></p>
	To	<p>Division of Biology and Department of Applied Physics California Institute of Technology Pasadena USA</p>	<p>Supervisor: Michael ELOWITZ</p>
<p>NARAYANAN Rishikesh INDIA</p>	From	<p>Cellular Neurophysiology Laboratory National Centre for Biological Sciences Bangalore INDIA</p>	<p><i>Novelty detection in layer II neurons of the entorhinal cortex</i></p>
	To	<p>Department of Neurobiology University of Texas Austin USA</p>	<p>Supervisor: Daniel JOHNSTON</p>
<p>PUCHEAULT Mathieu FRANCE</p>	From	<p>Laboratoire de Synthèse Sélective Organique et Produits Naturels Ecole Nationale Supérieure de Chimie de Paris FRANCE</p>	<p><i>Design and synthesis of a new PROteolysis TARgeting Chimeric molecule based on an inhibitor of MDM2</i></p>
	To	<p>Dept. of Molecular, Cell and Developmental Biology Yale University New Haven USA</p>	<p>Supervisor: Craig M. CREWS</p>
<p>ROUX Aurélien FRANCE</p>	From	<p>Institut Curie Paris FRANCE</p>	<p><i>Proteinaceous and lipidic minimal requirements for membrane fission in vitro and in vivo</i></p>
	To	<p>Department of Cell Biology Yale University School of Medicine New Haven USA</p>	<p>Supervisor: Pietro DE CAMILLI</p>
<p>SOMOZA Álvaro SPAIN</p>	From	<p>Universidad Autonoma de Madrid SPAIN</p>	<p><i>Design of new nucleotides for double-stranded RNA interference mechanisms studies</i></p>
	To	<p>Department of Chemistry Stanford University USA</p>	<p>Supervisor: Eric KOOL</p>

TAIRA
Kenji
JAPAN

From University of Tokyo
JAPAN

*4D imaging of developing
embryos using high-speed,
ultra-high-resolution optical
coherence tomography*

To Research Laboratory of Electronics
Massachusetts Institute of Technology
Cambridge
USA

Supervisor:
James FUJIMOTO

TAKAHASHI
Kouichi
JAPAN

From Institute for Advanced Biosciences
Keio University
Fujisawa
JAPAN

*Protein localization and crowding
in yeast pheromone signaling: in
vivo measurements and
computation*

To The Center for Genomic Experimentation
and Computation
The Molecular Sciences Institute
Berkeley
USA

Supervisor:
Roger BRENT