



International

**Human Frontier
Science Program**

Organization

HFSP AWARDS 2022

CROSS-DISCIPLINARY FELLOWSHIPS

as approved by the Board of Trustees (March 2022)

The HFSP fellowship program funds innovative, ground-breaking projects that have the potential to advance knowledge in the applicants' field of study or open a new approach to a research problem. High risk research is supported.

Cross-disciplinary fellowships are intended for postdoctoral fellows with a degree from outside the life sciences (e.g. physical sciences, chemistry, mathematics, engineering or computer sciences) who wish to receive training in biology.

Fellows receive 3 years of support to obtain training in an outstanding laboratory of their choice in another country. Applicants for this fellowship are expected to move into a new research field through a significant change in discipline.

CZESCIK Joanna Poland	From	University of Padua Padua Italy	<i>Targeted protein degradation and electrophysiology to study the function of the proteasome</i>
	To	University of Groningen Groningen Netherlands	Supervisors: MAGLIA Giovanni TYCH Katarzyna
HANLON Liam Australia	From	Australian National University Canberra Australia	<i>Quantum microscopy of neuron electric signals</i>
	To	École Normale Supérieure Paris-Saclay Gif-sur-Yvette France	Supervisors: TREUSSART François MOTHET Jean-Pierre
JEONG Jinmo Korea	From	Gwangju Institute of Science and Technology Gwangju Korea	<i>Development of wireless focused ultrasound system for sono-optogenetics in freely behaving animals</i>
	To	The University of Texas Austin USA	Supervisor: WANG Huiliang
KNOLL Pamela USA	From	Florida State University Tallahassee USA	<i>An extreme approach to biomineralization: biomineral selection by extremophiles</i>
	To	University of Edinburgh Edinburgh UK	Supervisors: COCKELL Charles CARTWRIGHT Julyan
LEVIN Ido Israel	From	The Hebrew University of Jerusalem Jerusalem Israel	<i>Conformational changes in yeast vacuoles driven by membrane rigidity and protein jamming</i>
	To	University of Washington Seattle USA	Supervisor: KELLER Sarah
RIEU Martin France	From	Université de Paris Paris France	<i>Understanding and controlling the sub-motors of bacterial rotary nanomachines.</i>
	To	University of Oxford Oxford UK	Supervisor: BERRY Richard

SMITH Cameron UK	From	University of Oxford Oxford UK	<i>Tumour homing immune cells for cavitation therapy</i>
	To	California Institute of Technology Pasadena USA	Supervisor: SHAPIRO Mikhail
TORTAROLO Giorgio Italy	From	Istituto Italiano di Tecnologia Genoa Italy	<i>A multi-scale all-optical platform for the investigation of membrane potential dynamics</i>
	To	Swiss Federal Institute of Technology Lausanne Switzerland	Supervisor: MANLEY Suliana
XU Catherine UK	From	University of Cambridge Cambridge UK	<i>Revealing the fundamental regulators of cell mechanical properties by single cell microfluidics</i>
	To	Max Planck Institute for the Science of Light Erlangen Germany	Supervisor: GUCK Jochen