

List of Projects Supported in 2021

Project Title	UChicago PI	Department	Division or Lab	PI in France	Institution	Award
Systems Analysis of Plant Defenses Promoted by Endogenous Bioactive Metabolites	Jean Greenberg	Molecular Genetics & Cell Biology	BSD	Claire Parent	University of Franche-Comté	\$15,000
Discovering Common Principles for Biological Prediction	Stephanie Palmer	Organismal Biology & Anatomy	BSD	Thierry Mora	Ecole Normale Supérieure	\$15,000
Exploring Adaptive Responses to pH Variability in the Face of Ocean Acidification	Cathy Pfister	Ecology & Evolution	BSD	Jean-Pierre Gattuso	Laboratoire d'Océanographie de Villefranche	\$15,000
A Novel Collaborative Approach to Studying Parasite Invasion	Aaron Turkewitz	Molecular Genetics & Cell Biology	BSD	Maryse Lebrun	University of Montpellier	\$10,000
Biodiversity, Conservation and Evolution of Coral Reef Fishes in French Polynesia	Mark Westneat	Organismal Biology & Anatomy	BSD	Serge Planes	University of Perpignan, CBETM	\$13,000
Functional Polyelectrolyte Complex Micelles with Elastin-Like Peptide Segments	Matthew Tirrell	PME	PME	Sébastien Lecommandoux	University of Bordeaux, CNRS	\$25,000
Collaboration for Thin-Sheet Mechanisms	Thomas Witten	Physics	PSD	Benoît Roman	Laboratoire PMMH, CNRS	\$14,600
Probing the Pertinent Interactions of Endophilin and Actin in Vesicle Scission using In Vitro and Coarse Grained Methods	Gregory Voth	Physics	PSD	Patricia Bassereau	Institut Curie (Paris)	\$20,000

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Geometric Theory of Quantum Hall States	Paul Wiegmann	Physics	PSD	Semyon Klevtsov	University of Strasbourg, CNRS	\$20,000
Modeling Modern Network Traffic: From Data Representation to Automated Machine Learning	Nicholas Feamster	Computer Science	PSD	Francesco Bronzino	University of Savoie Mont Blanc	\$15,000
International Collaboration in High-Altitude Measurements of Water Vapor and Cirrus Clouds over the Asian Monsoon	Elisabeth Moyer	Geophysical Sciences	PSD	Sergey Khaykin	LATMOS / IPSL	\$25,000
Activity Induced Phase Separation	Vincenzo Vitelli	Physics, James Franke Institute	PSD	David Martin	University of Paris	\$25,000
Liquid Inks for Near-Infrared Lasers	Benjamin Diroll	Nanomaterials, Spectroscopy	ANL	Sandrine Ithurria	ESPCI (Paris)	\$40,000
Challenging the Orthodoxy of 'Materials Design': Hard X-ray Probes of the Origin of Thermoelectric Properties	Raymond Osborn	X-ray scattering group, Materials Science Divison	ANL	Simon Kimber	Université de Bourgogne	\$32,000
Characterization of Radiation Damage Effects in High-Energy Neutrino Target Graphite using Low-Energy Heavy Ions	Frederique Pellemoine	Accelerator Division	Fermilab	Clara Grygiel	GCIMAP-CIRIL-GANIL (Caen)	\$19,791