

FACCTS Recipients in 2020

Proposal Title	UChicago PI	Department	Division or Lab	Partner in France	Institution	Award	Year
Reconfigurable Optical Matter Materials and Driven Optofluidics	Norbert Scherer	Chemistry	PSD	Delphine Coursault	University of Bordeaux	\$20,000	2020
Long Time Asymptotics and the Soliton Resolution Conjecture for Nonlinear Wave and Dispersive Models	Carlos Kenig	Mathematics	PSD	Frank Merle	University of Cergy-Pontoise, IHES	\$20,000	2020
Causality in Fundamental Physics	Clay Cordova	Physics	PSD	Eric Perlmutter	IPhT Saclay	\$25,000	2020
A Novel Method to Detect Dark Matter and Neutrinos	Paolo Privitera	Astronomy & Astrophysics	PSD	Antoine Letessier-Selvon	LPNHE	\$17,600	2020
Water Vapor and Ice Clouds over the Asian Monsoon	Elisabeth Moyer	Geophysical Sciences	PSD	Sergey Khaykin	UVSQ, LATMOS	\$4,000	2020
ATLAS Tile Calorimeter Upgrade	Mark Oreglia	Physics	PSD	David Calvet	Université de Blaise Pascal	\$20,000	2020
Evolution-based Engineering of Protein Function	Rama Ranganathan	Biochemistry & Molecular Biology	BSD	Olivier Rivoire	Collège de France	\$26,500	2020
Metabolism-mediated Regulation of Gene Expression in Male Germ Cell Development and Cancer	Yingming Zhao	Cancer Research	BSD	Saadi Khochbin	CNRS, INSERM, Grenoble-Alps University	\$20,000	2020
Dynamic Control of Force Generation in Early Ascidian Embryos	Edwin Munro	Cell & Molecular Biology	BSD	Patrick Lemaire	CRBM, Montpellier	\$19,000	2020

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Actin Cytoskeleton Self-Organization In Confined Reaction Volumes	David Kovar	Cell & Molecular Biology	BSD	Laurent Blanchoin	CEA Grenoble	\$24,300	2020
Protein-Protein Recognition and Synatogenesis	Benoit Roux	Biochemistry & Molecular Biology	BSD	Christophe Chipot	Université de Lorraine, INC	\$20,000	2020
Distribution and Genomic Variation of Wolbachia Mobile Genetic Elements in Natural Mosquito Populations Worldwide	A. Murat Eren	Medicine, Committee on Microbiology	BSD	Julie Reveillaud	Montpellier University, INRA	\$16,000	2020
ILLINOIS: Thermotropic Ionic Liquid crystal: Encoding dimensionality-controlled & Nanoconfined Ionic transport	Paul Nealey	Pritzker School of Molecular Engineering	PME	Patrice Rannou	CNRS, Alps-Grenoble University	\$20,000	2020
Quantum Device Simulator	Martin Suchara	Computational Science	ANL	Cyril Allouche	ATOS	\$40,000	2020
Straight out of the Asteroid Belt to the Inelastic Lines at the Advanced Photon Source	Ercan Alp	X-Ray Science Division	ANL	Mathieu Roskosz	Muséum National d'Histoire Naturelle	\$40,000	2020
SiPM Technology in Liquid Argon High Voltage System	Flavio Cavanna	Neutrino Science	Fermilab	Dominique Duchesneau	IN2P3, LAPP	\$17,000	2020