



FRANCE
CHICAGO CENTER

Annual Report
2018–2019

THE UNIVERSITY OF CHICAGO

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Above & Below: Architectural renderings of the University's new Center in Paris, scheduled to open in 2022, courtesy of Paris Render, Studio Gang, ICADE, and Parc



Cover: Filmmaker Claire Denis at Max Palevsky Cinema during Q&A following the April 8 Chicago premiere of *High Life*. Photo by Adrián Mandeville

FROM THE EXECUTIVE DIRECTOR



For some twenty-five years now, the France Chicago Center has been supporting research activities across all the divisions and professional schools of the University in a wide variety of manifestations: conferences, lectures, collaborative research projects, student mobility, film, drama, book translations, and the list goes on. In this context, more of the same means more of the best this University has to offer, and, in some sense then, no new news is just more good news.

But even though all is going well, there is a truly significant piece of new France-related news coming from the University of Chicago this year, and that is the decision to expand and redevelop our Center in Paris. The new campus will be on an entirely new site, but a new location does not mean a new neighborhood. Indeed, the new Paris campus will be on the prestigious Avenue de France just up the street from our current location, between the Université Paris Diderot and INALCO (Institut national des langues et civilisations orientales). But it does mean a state of the art facility that about triples the size of our current facility. The new “vertical campus”—designed by the celebrated Chicago architectural firm Studio Gang (architectural renderings on opposite page)—will house a research institute and have full conference facilities including a 100+ seat auditorium. There will even be a laboratory classroom for the growing course offerings in the sciences that our faculty teach every year.

Although this new Paris campus is being undertaken by the College and the larger University, France Chicago Center activities—and the rich relationships between the University and France that our ongoing work has developed—constitute one of the many reasons that the University has outgrown its current facility.

Often, my French colleagues ask me what the difference is between the France Chicago Center (FCC) and the University of Chicago Center in Paris (CIP). They are, of course, two distinct entities. But each pursues a version of the same mission, one in Chicago, the other in Paris: establishing and maintaining robust exchange between France—and more generally, Europe—and the University of Chicago. While there are obvious differences between the two organizations, they are fundamentally very compatible. And I thought it might be useful to review how this compatibility has played out in actual programs and policy: 1) Over half of the student scholars in the current Center in Paris’s Research Center have been supported by FCC’s travel grants and fellowships. In turn, the Center in Paris offers a valuable base from which these students conduct their research and increases the quality and speed of their research; 2) Over the years, FCC has sponsored dozens of conferences at the Center, providing more than \$50,000 to these Paris-based colloquia; 3) FCC has provided financial, administrative, and programmatic support to the CIP-based, Interdisciplinary Workshop in Paris.

When the new campus in Paris opens its doors in 2022, the France Chicago Center will no doubt have an even closer relationship with the new Paris campus with its European mission.

In closing, I have the pleasure to offer another piece of new news: Juan de Pablo, a chemical engineer in the Institute for Molecular Engineering, has agreed to join the France Chicago Center’s board as a faculty director. Juan is a recognized leader in simulations of polymeric materials and understanding how DNA molecules arrange and organize themselves, and how they interact with each other. A talented administrator, Juan is now serving as the Vice President for National Laboratories, and was the driving force behind our new and exciting CNRS-UChicago Research Partnership that will complement our very successful FACCTS program. Juan has a clear passion for France and things French, and we look forward to working with him in the years to come.

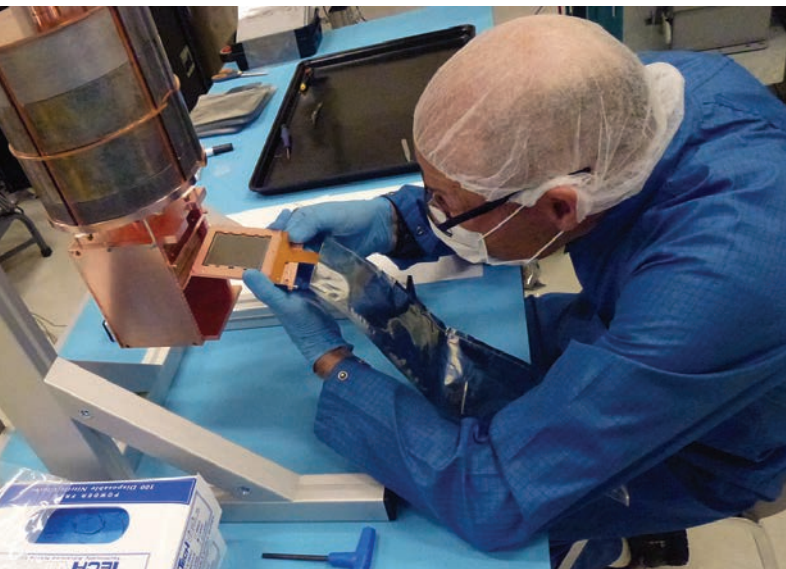
A handwritten signature in black ink, appearing to read "Robert Morrissey". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert Morrissey
Executive Director, France Chicago Center
Benjamin Franklin Professor of French Literature

FACCTS: TWELVE YEARS LATER

Over much of the previous decade, FCC's activities and energies were focused primarily on programs in the humanities and the social sciences. In 2007, we took our first tentative steps into the arena of the biological and physical sciences with a pilot program that promoted transatlantic scientific collaboration. In the fall of that year, we extended our first call for proposals, which yielded 15 applications. Ten of these proposed projects were funded at levels totaling \$90,500.

Twelve years later, that same program—FACCTS (France and Chicago Collaborating in the Sciences)—has matured considerably. It now attracts between 20-25 applications per year, supports 12-15 high-quality transatlantic scientific collaborations annually, and provides between \$250,000 and \$285,000 in support of these collaborations. Over the last twelve years, the average amount of a FACCTS award has doubled from \$9,050 to \$18,231; four new institutional stakeholders—including the French Ministry for Higher Education, Research, and Innovation—now support the program; and the scope of the program has expanded to include researchers at the Institute for Molecular Engineering, Fermilab, and Argonne National Laboratory. The impact of this program was further amplified in 2017 with the creation of a new group of committed donors (*Confrères*) who underwrite the costs of two or three specific FACCTS-supported collaborations per year.



DAMIC installation at SNOLAB: a packaged charge-coupled device being inserted



DAMIC installation at SNOLAB: the copper vacuum vessel being inserted in the lead shield

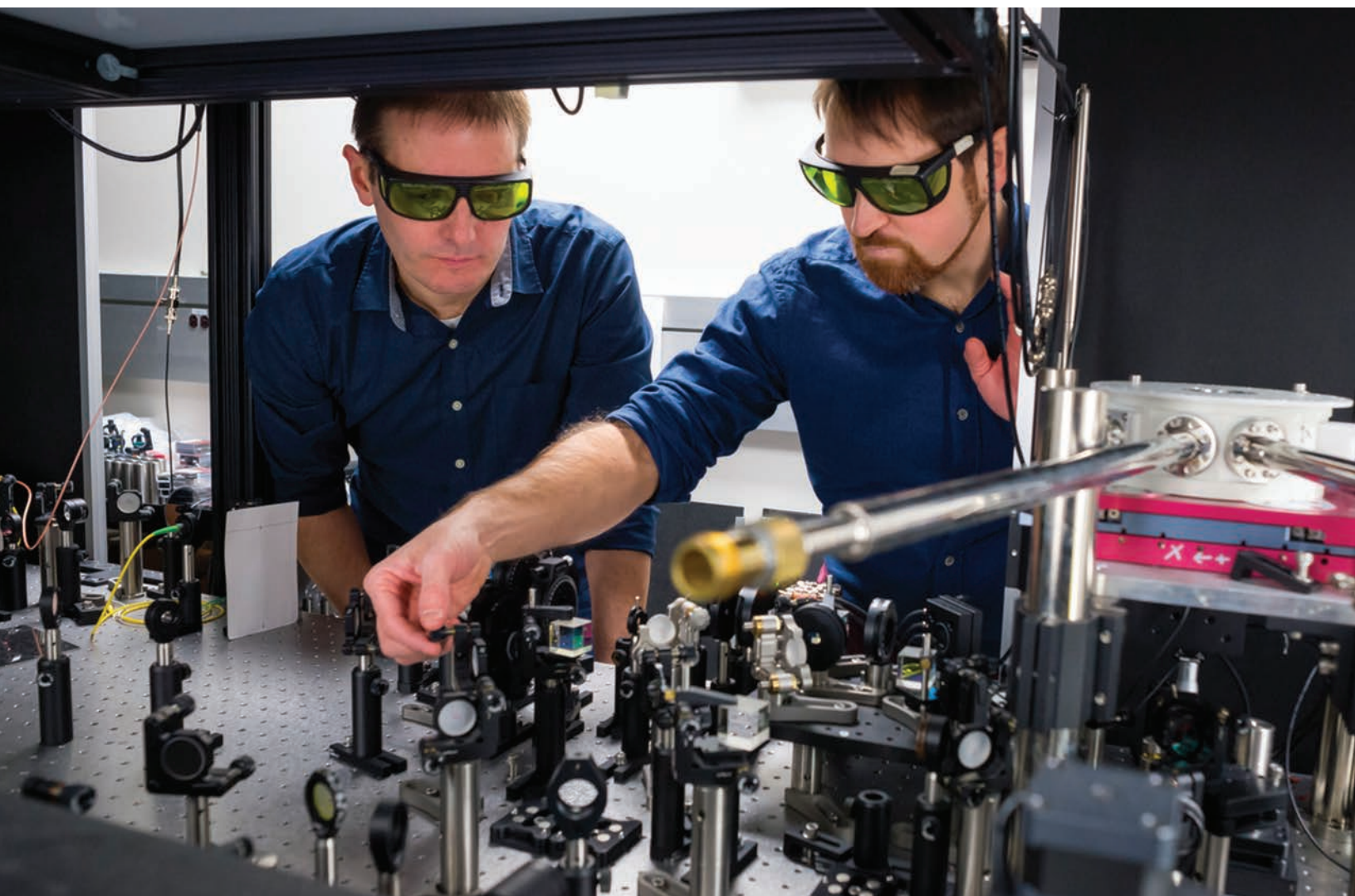
This initiative has succeeded in ways that we couldn't have imagined 12 years ago. For example, since 2008, FACCTS has supported 137 collaborations between UChicago scientists and their colleagues at 68 French institutions, while providing seed-funding investments that total over \$1.9 million. Supported teams have co-authored almost 200 publications and secured more than \$20 million in federal and private funding to continue developing their research. Furthermore, FACCTS has provided scores of graduate students and post-docs with opportunities to travel overseas, participate in transatlantic conferences, and build international connections with scientists at a variety of institutions.

One collaboration spearheaded by Paolo Privitera (Department of Astronomy & Astrophysics) and Antoine Letessier-Selvon (Institut National de Physique Nucléaire et de Physique des Particules) has been particularly fruitful. This dark-matter detector development project, supported with a modest \$18,000 FACCTS award in 2015, grew into a large-scale research program that now connects nearly a dozen institutions worldwide, and that has garnered more than \$8 million in additional funding from the National Science Foundation and the European Research Council. This collaboration also provided the framework for UChicago Ph.D. student Ariel Matelon to pursue a second doctoral degree at the Sorbonne through our Dual Ph.D. Degree Program. (See pages 4-5.) Another FACCTS-supported collaboration that focused on developing hybrid silicon lasers for applications in energy-efficient computing and data centers—undertaken by Chad Husko (Argonne National Laboratory) and Xavier Checoury (Université Paris-Saclay)—

has produced a new technology, new patents, and a new company (Iris Light Technologies). This start-up company is being supported in its initial stages of growth by the Argonne Chain Reaction Innovation program.

We are happy to report that this spring each of our valued University-based partners¹ have renewed their support of FACCTS through 2023. This will provide a valuable base for continued growth, as FACCTS further develops its capacity to strengthen transatlantic connections between institutions, to build new relationships between scientists, and to bring to fruition more groundbreaking research across the sciences.

¹ The Office of the Provost, The Division of the Biological Sciences, the Division of the Physical Sciences, the Institute for Molecular Engineering, and The Office of the Vice Provost for Research



FACCTS award recipient Chad Husko (right) working with Jeffrey Guest. Image courtesy of Argonne National Laboratory.

DUAL PH.D. DEGREE STUDENT PROFILES

FCC's Dual Ph.D. Degree Program—implemented nearly two years ago—has attracted serious expressions of interest from dozens of students who recognize the value of earning doctoral degrees both from UChicago and from a University in France. There are currently at least eight students in various disciplines who are enrolled, or who are soon to be enrolled, as dual degree students. In this report, we highlight four of these students.

Rhyne King

Rhyne King is a Ph.D. candidate in Ancient Near Eastern History at the University of Chicago, and in Iranian studies at the École Pratique des Hautes Études (EPHE). His research focuses on the history of the Achaemenid Persian Empire (550-330 BCE), the largest land-based empire in world history prior to the early Islamic Caliphate. His dissertation examines the ways that the government of the empire operated at a provincial level in different geographic regions across the imperial expanse. Through the Dual Ph.D. Degree program, he hopes to combine the resources of the Oriental Institute at the University of Chicago with those in Paris, one of the world's leading centers for Iranian Studies since the nineteenth century. At the EPHE, he works with Wouter Henkelman, an expert on the administration of the Achaemenid Empire, and also with Samra Azarnouche and Philip

Huyse, two specialists in Middle Iranian languages. Rhyne sees pursuing studies at two elite and complementary institutions as an ideal way to develop a robust toolkit for better understanding the pre-Islamic Middle East. After graduating, he anticipates greater opportunities for employment in either the United States or Europe because of degrees earned both from UChicago and from EPHE.

Ariel Matalon

Ariel Matalon is pursuing a Ph.D. in Experimental Astrophysics at the University of Chicago and at the Sorbonne. His research focuses on the instrumentation and analysis of the Dark Matter in CCDs, including detector development, electronics design, and studies of radioactive backgrounds. He decided to pursue a dual degree in order to take advantage of additional opportunities

Rhyne King at the Pergamum Museum in Berlin





Ariel Matalon

for exchanging ideas and expertise with international researchers, and to grow his professional and academic networks. At the Sorbonne, he benefits from the expertise of several collaborators who specialize in electronics, and who are active at the Laboratoire de Physique Nucléaire et de Hautes Énergies. Ariel believes that receiving a Ph.D. from the University of Chicago and from the Sorbonne will open doors to unique opportunities both in the U.S. and in France. By spending significant time in France, he expects to establish professional and academic relationships that could lead to involvement in new collaborative projects. After earning his Ph.D. degrees, Ariel will pursue positions in research or industry either in North America or in Europe.

Amine Bouhayat

Amine Bouhayat is a Ph.D. candidate in French and Francophone Studies at the University of Chicago and at the Sorbonne. His dissertation focuses on the themes of international affairs, war, and diplomacy in early-modern French theater. After completing secondary degree studies in Morocco, Amine moved to Paris to attend a *classe préparatoire littéraire* at the Lycée Paul Valéry. During these years, he earned a Master's degree in French literature at the Sorbonne, and wrote two masters theses, one of which received the Jean Racine award from the Giraudoux Foundation. Amine decided to pursue the Dual Ph.D. Degree Program because his research was taking an increasingly interdisciplinary turn, which is more explicitly encouraged in American academia. The opportunity to work with Prof. Larry Norman, who collaborates with Amine's adviser, Prof. Patrick Dandrey at

the Sorbonne, further influenced his decision. Amine believes that his research benefits both from the emphasis on interdisciplinary approaches in American scholarship and from the bibliographical and theoretical rigor of French academia. After completing the Dual Degree Ph.D. program, he plans to pursue teaching post-doc opportunities at the University of Chicago before seeking a tenure track position.

Maximilien Novak

Maximilien Novak is a Ph.D. student in French and Francophone Studies at the University of Chicago and in History at the École des Hautes Etudes en Sciences Sociales (EHESS) in Paris. His dissertation research focuses on the interactions between literature and history in the Napoleonic administration. He studies the roles of journalists, spies, and historians in controlling public opinion, and how these roles evolved from the Old Monarchy to the Napoleonic era. Before coming to the University of Chicago, Maximilien took preparatory classes at the Lycée Henri IV, where he studied Literature, History, and Philosophy. He also enrolled at the Conservatoire de Boulogne, and finished a Master's degree in Comparative Literature at the Sorbonne. After taking a visiting part-time faculty position at Boston College, he finished a double Master's degree in Music and Literature at the École Normale Supérieure, and taught French in Vienna while finishing his first book on Felix Mendelssohn's poetry and translations. When he completes his doctoral studies, having fully benefited from the guidance of distinguished French and American specialists in literature and history, Maximilien will seek an academic position either in Europe or in the United States.

Amine Bouhayat



THIS YEAR AT A GLANCE

Student Fellowship & Travel Grants	28
Total Fellowship and Travel Grants Funding Disbursed	\$151,400
Collaborative Seed-Funding Grants Awarded	15
Total Committed to FACCTS Recipients	\$273,458
Conference & Colloquia	13

Public Lectures	21
Graduate Workshop Sessions	15
Artist Visits	8
Film Screenings	30
Concerts & Performances	3

STUDENT MOBILITY

Fellowships

Charlotte Robertson, Ph.D. candidate in History, received a Collège de France Research Fellowship (\$25,000) to conduct dissertation research on the rise of finance in mid- to late nineteenth century France, under the guidance of Pierre Rosanvallon.

Ji Gao, Ph.D. candidate in Romance Languages & Literatures, received a Collège de France Research Fellowship (\$25,000) to conduct dissertation research on the ways that the Wars of Religion shaped the cultural and literary landscape of France during the second half of the 16th century, under the guidance of Patrick Boucheron.

Maximilien Novak, Ph.D. candidate in Romance Languages & Literatures, received a Sciences Po Exchange Fellowship (\$13,500) to conduct dissertation research on Napoléon’s education and the essential role it played in forming his vision of France and Europe.

Hilary Leathem, Ph.D. candidate in Anthropology, received an EHESS Exchange Fellowship (\$12,000) to conduct archival dissertation research at the Ecole des Hautes Etudes en Sciences Sociales and at UNESCO, under the guidance of Nancy Green.

Lucile Richard, A Ph.D. Student in Political Theory at Sciences Po, received a UChicago Exchange Research Fellowship to study the radical democratic theories of Judith Butler, William Connolly, and Jane Bennett, under the guidance of Linda Zirelli.



FCC fellowship recipient Charlotte Robertson (History) at the Collège de France

Léa Eynaud, Ph.D. student in Sociology and Environmental Science at EHESS, received an UChicago Exchange Fellowship to spend two quarters in Chicago conducting research on the activities that give shape and meanings to the category of “commons” in France and Germany, under the guidance of Andreas Glaeser.

Saadia Mirza, Ph.D. student in Anthropology, received a Summer Research Fellowship (\$5000) to conduct archival research on military training during the 17th and 18th Century at l'École des Ponts et Chaussées, l'École Polytechnique, and l'École Spéciale Militaire de Saint-Cyr. This fellowship was awarded in FY2018, but deferred until FY2019.

Research & Language-Study Travel Grants

Olivier Martin, Ph.D. candidate in Mathematics, received a Collège de France Science Research Travel Grant (\$12,000) to conduct dissertation research on connectivity properties of abelian varieties, under the guidance of Claire Voisin.

Zsofia Valyi-Nagy, Ph.D. student in Art History, received a François Furet Travel Grant (\$2000) to conduct pre-dissertation research in Paris and Rennes and to interview the Hungarian-French artist Vera Molnar (b. 1924), one of the first artists to work with a computer.

Katarina Korola, Ph.D. candidate in Art History and Cinema and Media Studies, received a François Furet Travel Grant (\$2000) to conduct dissertation research on designing atmosphere in interwar Germany at the Cinémathèque française and at the Bibliothèque littéraire Jacques Doucet in Paris.

Bradley Spiers, Ph.D. candidate in the Department of Music, received a François Furet Travel Grant (\$2000) to conduct research on 18th- and 19th-century musicians in the context of dissertation research on the increasing prevalence of music-making machines in the Western Enlightenment imagination.

Michele Kenfack, Ph.D. candidate in Romance Languages & Literatures, received a François Furet Travel Grant (\$2000) to support travel to Martinique, Guadeloupe, and French Guiana in order to access archives related to the riots and protests of 1968, the labor strikes and repression against workers in 1974, and the peasant uprisings in 1983.

Chiara Nifosi, Ph.D. candidate in Romance Languages & Literatures, received a François Furet Travel Grant (\$2000) to consult materials located at the ITEM (Institut des Textes

et Manuscrits Modernes, at the ENS-rue d'Ulm) and at the Bibliothèque Nationale de France in the context of her dissertation on Marcel Proust.

Ji Gao, RLL, Ph.D. candidate in Romance Languages & Literatures, undertook dissertation research on the publishing industry in late-Renaissance France in Paris and Lyon with a François Furet Travel Grant (\$2000). This grant was awarded in FY2018, but deferred until FY2019.

Kirsten Lopez, Ph.D. student in Romance Languages & Literatures, received a François Furet Travel Grant (\$2000) to participate in an twelve-week intensive (240 contact-hour) summer language program at the Université Catholique de Lyon organized by the Institut de Langue et de Culture Françaises (ILCF).

Alexis Chavez, Ph.D. student in Anthropology, received a François Furet Travel Grant (\$2000) to study how state violence reconfigures the formation of Muslim piety and shapes the embodiment and reception of Islamic rituals and practices.

Hilary Leathem, Ph.D. student in Anthropology, received a François Furet Travel Grant (\$2000) to consult meeting minutes and procedural documents from UNESCO's archive in order to examine the ways that the concept of “heritage” is historically constructed and bound within a particular moral and legal framework.

Natalie Smith, Ph.D. student in History, received a François Furet Travel Grant (\$2000) to conduct archival pre-dissertation research on the soap industry in late nineteenth-century Marseille and the economic and environmental impact of soap production.

Eric Rouvière, a Ph.D. student at the Institute for Molecular Engineering, received a Collège de France travel grant (\$2000) to establish a collaboration with Dr. Olivier Rivoir in the context of an experimental, theoretical, and computational project that focuses on the evolutionary origin of allostery.

Smiti Yadav, an MA student at the School of Public Affairs at Sciences Po, received a travel award from the France Chicago Center (\$1200) that allowed her to participate in the Inter Policy School Summit (March 1-3, 2019) organized by the Harris School of Public Policy.

Naëlle Verniest, Sciences Po, School of Public Affairs (\$1200) for participation in the Inter Policy School Summit (March 1-3, 2019) organized by the Harris School of Public Policy.

Internship Support Travel Grants

Nancy Thebaut, Ph.D candidate in Art History, received a summer internship travel grant (\$1500) to conduct an internship at Musée Carnavalet in Paris. *UChicagoGrad* also provided \$2500, for a total award of \$4,000.

Takashi Omiya, a Masters student at the Harris School School of Public Policy, received a summer internship travel grant (\$4000) to conduct an internship at the Organization for Economic and Cooperative Development (OECD) in Paris.

Hanvit Park, a Masters student at the Harris School School of Public Policy, received a summer internship travel grant (\$4000) to conduct an internship at the Organization for Economic and Cooperative Development (OECD) in Paris.

Elizabeth Panetta, a Master's degree student at the School of Social Service Administration (SSA), received a summer internship travel grant (\$4000) to conduct an internship at Refugee Youth Services in Calais.

Dante Violette, a Master's degree student at the School of Social Service Administration (SSA), received a summer internship travel grant (\$4000) to conduct an internship at Refugee Youth Services in Calais.

Camelia Malkami, a student in the College, conducted a summer Neuroscience internship in the laboratory of Alain Prochiantz (College de France) studying Otx2 in the context of potential treatment for psychiatric disorders such as autism, depression and schizophrenia. (\$4,000)

Harini Shah, a student in the College, conducted a summer Neuroscience internship in the laboratory of Fekrije Selimi (College de France) studying the roots of motor coordination and balance and how cerebellum fixes movement by learning from past mistakes. (\$4,000)



Harini Shah presenting research conducted in Paris during her FCC-sponsored summer internship

COLLABORATIVE RESEARCH IN THE SCIENCES (FACCTS)

Seed funding from the FACCTS program enhances scientific research by encouraging closer ties between Chicago researchers and high-level research teams in France. These teams of scientists take innovative approaches to solving complex problems and show potential for successful and sustainable collaboration.

In 2019, the FACCTS program call for proposals yielded a total of 23 applications, with applicants requesting a total of \$478,765. Fifteen projects were selected—six in the Physical Sciences, four in the Biological Sciences, two at the Institute

for Molecular Engineering (IME), two at Argonne National Laboratory, and one at Fermilab. A total of \$273,458 was committed to these projects, with each project receiving commitments ranging from \$9,500 to \$24,000. The average amount of a 2019 FACCTS award was \$18,231. The median award was \$20,000. The table on the opposite page summarizes the projects supported this year. More complete information on the application pool, contributing partners, and the review committee can be found on page 23. Detailed project descriptions can be found on pages 24-27.

PROJECTS SUPPORTED BY FACCTS

Project Title	Chicago PI	Department	Key Individual in France	Institution in France	Amount of Award
A Genetic Scan to Dissect Climate Adaptation in Phytopathogenic Bacteria	Joy Bergelson	Ecology & Evolution	Fabrice Roux	CNRS (Toulouse)	\$20,000
Systems Analysis of Plant Defenses Promoted by Endogenous Bioactive Metabolites	Jean Greenberg	Molecular Genetics & Cell Biology	Claire Parent	CNRS, Université de Franche-Comté	\$20,000
Biodiversity, Conservation and Evolution of Coral Reef Fishes in French Polynesia	Mark Westneat	Organismal Biology & Anatomy	Serge Planes	CNRS, Université de Perpignan	\$21,900
Rapid Phylogenomic Placement of Microbial Genomes from Metagenomes	A. Murat Eren	Committee on Microbiology	Damien Eveillard	Université de Nantes	\$9,500
Exploring new Dark Matter Scenarios with Xenon-based Detectors	Luca Grandi	Physics	Luca Scotto Lavina	Laboratoire LPNHE, CNRS/IN2P3 (Paris)	\$14,818
Active Chiral Fluids	William Irvine	Physics	Denis Bartolo	ENS (Lyon)	\$20,000
Boosting Discoveries at the LHC with Lund Jet Plane Measurements and Machine Learning	David Miller	Physics	Reina Camacho Toro	CNRS, CERN	\$21,000
Collaborative Studies of Mineral and Melt Properties in Earth's Core and Core-Mantle Boundary	Andrew Campbell	Geophysical Sciences	Razvan Caracas	CNRS, ENS (Lyon)	\$12,100
Tropical Mathematics of Deep Learning	Lek-Heng Lim	Statistics	Stéphane Gaubert	CNRS, École Polytechnique	\$20,000
Improving Prospects for CMB Science by Strengthening the SPT-Planck Connection	Thomas Crawford	Astronomy & Astrophysics	Silvia Galli	Institut d'Astrophysique de Paris, Planck DPC	\$15,000
Analyzing Immune Cell Migration Dynamics at the Scale of the Whole Organism in Mice	Nicolas Chevrier	IME	Aleksandra Walczak	ENS (Paris), CNRS, Laboratoire de Physique Théorique	\$22,000
Quantum Monte Carlo Studies of Charge Density Waves in an External Magnetic Field	Peter Littlewood	IME, James Franck Institute	George Batrouni	CNRS, Université Côte d'Azur	\$18,000
An Additive Manufacturing Approach to On-demand Single Photon Sources and Quantum Networks	Gary Wiederrecht	Nanoscience & Technology Division	Renaud Bachelot	University of Technology (Troyes)	\$24,000
In Situ Recrystallization Study of Polycrystalline Materials by Total Scattering	Peter Kenesei	Argonne National Laboratory	Andras Borbely	Ecole des Mines (Saint-Etienne)	\$19,980
Connecting the Beam Dynamics Code TRACEWIN to the PIP-II Injector Test at Fermilab	Jean-Paul Carneiro	Fermilab National Accelerator Laboratory	Didier Uriot	CEA-Saclay	\$15,160

More information on the application pool and on each supported project is available in the appendix.

SCHOLARLY VISITS, COLLOQUIA, EVENTS

Scholarly Visits

While dozens of scholars from France come to the University of Chicago in the context of FCC-supported colloquia and public lectures, the France Chicago Center also supports the visits of a limited number of distinguished scholars who stay on campus for extended visits. This year, FCC programming supported the weeklong visits to campus of the following scholars.

Marc Fontecave, Professor of the Chemistry of Biological Processes at the Collège de France. October 21-27, 2018. Hosted by Wenbin Lin (Chemistry).

Thomas Lecuit, Professor of the Dynamics of Living Systems at the Collège de France. April 22-27, 2019. Hosted by Ed Munro (Molecular Genetics and Cell Biology).

Patrick Boucheron, Professor of the History of the Powers of Western Europe, 13th-16th Centuries at the Collège de France. May 1-9, 2019. Hosted by Jonathan Lyon (History) and Daisy Delogo (RL&L).



Patrick Boucheron (Collège de France) during his public lecture on May 7, 2019

Conferences/Colloquia

Disruption: Power, Tyranny and (Dis)Order

This colloquium brought together thinkers from multiple fields to address the question of contemporary political power and the social disorder that accompanies the contemporary exercise of political power. July 5, 2018, at the University of Chicago Center in Paris. Organized by Daniel Desormeaux (RL&L) and colleagues at King's College and the University of Wisconsin at Madison.

Invisible Bonds: the Enlightenment Science of Society from Mandeville to Hegel

An NEH Summer Seminar for college and university faculty that re-examined eighteenth-century attempts to theorize the relation between the imaginary bonds that give coherence to a stable society. July 7-29, 2018, at the University of Chicago. Organized by Paul Cheney (History) and Alexander Schmidt (Friedrich Schiller University).

Paul Claudel, résolument contemporain

An international conference, organized on the occasion of the 150th anniversary of Claudel's birth, that explored Claudel's legacy and his place in today's culture and thought. September 20, 2018, at the University of Chicago Center in Paris. Organized by Thomas Pavel (RL&L) and Didier Alexandre (Sorbonne).

Silencing the Past @ 25

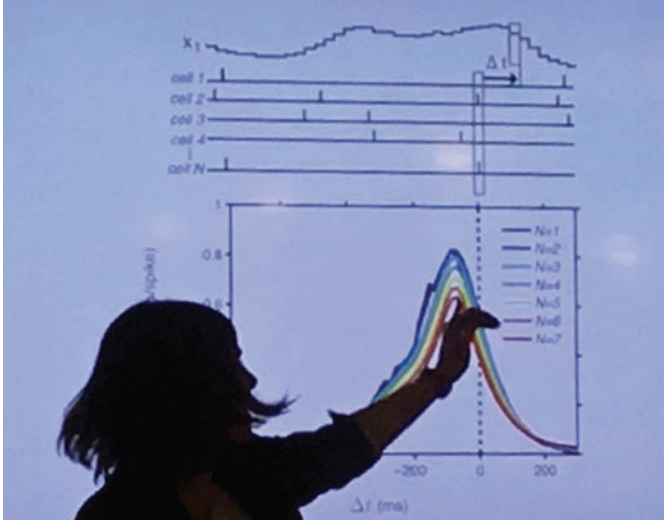
A multi-disciplinary symposium that commemorated Michel-Rolph Trouillot's path-breaking book, *Silencing the Past*, on the eve of its 25th anniversary. October 25-27, 2018, at the Franke Institute for the Humanities. Organized by François Richard (Anthropology).

What is a Collective? An Evening with Philippe Parreno

Philippe Parreno in conversation with Ina Blom & Jörn Schafaff, with discussion focused of issues central to Parreno's work featuring screenings of three of Parreno's short films—*Credits* (2000), *The Crowd* (2015) and *June 8, 1968* (2009). October 29, 2018, at the Logan Center for the Arts. Organized by Ina Blom (University of Oslo).

Political Theology: Promise and Prospects

A conference that explored various aspects of French Catholicism and political Augustinianism—with the participation of Florian Michel (Sorbonne) and Emilie Tardivel (Institut Catholique). November 7-9, 2018, in the Swift Hall third floor lecture room. Organized by Willemien Otten (Divinity School).



Stephanie Palmer presenting research conducted with Thierry Mora (ENS) at the FACCTS in Paris colloquium. Photo by George Austin.

FACCTS in Paris

A workshop on collaborative research in the sciences that featured presentations of four international joint projects funded through the FACCTS program. Participating research teams were led by: Stephanie Palmer (UChicago) and Thierry Mora (ENS); Paolo Privitera (UChicago) and Antoine Letessier-Selvon (Sorbonne); Marcelo Nobrega (UChicago) and Edith Heard (Collège de France); and Cheng Chin (UChicago) and Jean Dalibard (Collège de France). February 22, 2019, at the University of Chicago Center in Paris. Organized by Keith Moffat (Biochemistry & Molecular Biology).

The Weight of Antiquity: Early-Modern Classicisms

A graduate student conference that examined the limits, influence, and expressions of antiquity in various settings, both in Europe and across the Early-Modern world. February 23, 2019, at the Franke Institute for the Humanities. Organized by Amine Bouhayat, Esther Van Dyke, Hilary Barker, and Roko Rumora.

Wartime Poetry: Conflict & Identity during the Hundred Years War

This colloquium explored the literary output of the fourteenth and fifteenth centuries and shed new light on the rich and varied production of this period and its relationship to (and effects on) individual, poetic, and political identity. March 29, 2019, at the University of Chicago Center in Paris. Organized by Daisy Delogu (UChicago) and Laëtitia Tabard (Le Mans Université).

La Ville et ses discours/The City and its Discourses

A one-day symposium that examined the notion of the city and its many representations through contributions by a disciplinarily diverse set of scholars. April 26, 2019, at the Center for the Study of Gender and Sexuality. Organized by Daniel Desormeaux (RL&L).

Reform & Revolution in Weak States: Understanding the Tocqueville Paradox

A conference that explored and examined the dynamics between political reform and the ensuing rebellion led not only by the losers from reform but also by its intended beneficiaries. June 3, 2019, at the University of Chicago Center in Paris. Organized by Scott Gehlbach and Monika Nalepa (Political Science).

Nouvelles écritures du quotidien: une cartographie contemporaine

A two-part conference that brought together scholars and writers from Chicago, the University of Strasbourg, and the University of Tours to analyze the diverse range of approaches to conceptualizing and describing everyday life in twenty-first century French literature. June 6-7 and 13-14, 2019, at the University of Chicago Center in Paris. Organized by Alison James (UChicago), Corinne Grenouillet (Université de Strasbourg), and Maryline Heck (Université de Tours).

On Nature and Plants in Ancient Greece

This was the first of a series of conferences planned within a larger project with the goal of gathering and sharing ongoing research on nature and plants in ancient Greece, from Homer to the Vth century BCE. June 18-19, 2019 at the University of Chicago Center in Paris. Organized by Leon Wash (Classics).

Public Lectures

Gaël Faye, French author, discussed his book *Small Country* in conversation with Natacha Nsabimana (Anthropology). October 22, 2018, at the Seminary Coop Bookstore.

Marc Fontecave, Collège de France, gave a lecture entitled “Carbon Dioxide to Fuels: from Enzymes to Bioinspired Catalysts.” October 23, 2018, at the Eckhardt Research Center #161.

Marc Fontecave, Collège de France, lectured on “Fe-S Clusters and Thiolation Reactions: Lessons from tRNA-Modifying Enzymes.” October 24, 2018, at the Gordon Center for Integrative Science, #301.

Antonio Rodrigues, contemporary French author, gave a talk entitled “L’Europe, un continent en poésie : l’acte et le lieu.” October 26, 2018, in Wieboldt #207.

Jean-Louis Missika, Deputy Mayor of Paris, gave a lecture entitled “Reinventing Paris.” November 1, 2018, in Harper Memorial Library, room #284.

Éric Vuillard, French author, discussed his recent book *The Order of the Day* in conversation with Alison James (RL&L). November 4, 2018, at the Seminary Coop Bookstore.

Karen Offen, historian independent scholar affiliated with Stanford University, lectured on “Debating the Woman Question in France: the First 600 Years.” November 8, 2018, at the Center for Study of Gender and Sexuality, 5733 S. University Avenue.

Herrick Chapman, Professor of History at NYU, gave a talk based on his recent book entitled *France’s Long Reconstruction: In Search of the Modern Republic* (Harvard University Press, 2018). November 8, 2018, in the John Hope Franklin Room (SS #224).

Pascal Brice, Director-General of the French Office for the Protection of Refugees and Stateless Persons (OFPRA), gave a lecture entitled “Welcoming the Refugees: Lessons of the European Crisis from a French Perspective” with post-lecture Q&A moderated by Kara Ross Camarena (Harris School). November 27, 2018, in the Harris School Lecture Hall #142.

Stephen Sawyer, Professor of History at American University of Paris, gave a talk on his recent book entitled *Demos Assembled: Democracy and the International Origins of the Modern State, 1840-1880* (University of Chicago Press, 2018). January 10, 2019, in the John Hope Franklin Room, SSRB #224.

Leila Slimani, French author, discussed her recent book *Adèle*, in conversation with Khalid Lyamlahy (RL&L). February 26, 2019, at the Seminary Coop Bookstore.

Arthur Goldhammer, Center for European Studies at Harvard University, gave a public lecture entitled “Stung by Yellow Vests: The Revolt against the Republican Elite.” April 15, 2019, in the John Hope Franklin Room, SSRB #224.

Thomas Lecuit, Collège de France, gave a lecture entitled “Program, Control and Self-Organisation in Development.” April 23, 2019, in the Knapp Center for Biomedical Discover #1101.

Thomas Lecuit, Collège de France, gave a lecture entitled “Tissue Looping, Folding and Invagination by Mechanochemical Signaling.” April 24, 2019, in the Cummings Life Science Center, #101.

Thomas Lecuit, Collège de France, gave the MGCB Seminar entitled “Transcriptional Initiation and Mechanically-Driven Propagation of a Tissue Morphogenetic Wave during Axis Elongation.” April 25, 2019, in the Cummings Life Science Center, #101.

Tristan Leperlier, Research Associate at the Centre Européen de Sociologie et de Science Politique (CNRS –EHESS), spoke on « Algerian Literature During the ‘Décennie Noire’ ». April 25, 2019, in Cobb Hall, room #403.

Patrick Boucheron, Collège de France, gave a lecture entitled « l’Histoire de France aujourd’hui », with post-lecture Q&A moderated by Hervé Reculeau (NELC). May 2, 2019, at the Alliance Française de Chicago.

Patrick Boucheron, Collège de France, spoke on « Après Boccace : nouvelles et fictions politiques ». May 6, 2019, in Wieboldt #207.

Patrick Boucheron, Collège de France, gave a lecture entitled “France in the World: A Medievalist Reflects on the Master Narrative,” with post-lecture reflections offered by Stéphane Gerson (NYU). May 7, 2019, in the John Hope Franklin Room, SSRB #224.

Laurent Gaudé, French author of spoke about and read from his most recent book entitled *Hear Our Defeats*, in conversation with Alison James (RL&L). May 7, 2019, at the Seminary Coop Bookstore.

Patrick Boucheron, Collège de France, led a workshop discussion on his paper entitled “Tenter l’expérience : les conditions de l’inventivité politique au Moyen Âge” at a joint meeting of the Medieval Studies Workshop and the Workshop on Western Mediterranean Culture. May 8, 2019, in Rosenwald Hall #408.



Pascale Brice (Director-General of OFPRA) during his public lecture at the Harris School of Public Policy on November 27, 2018

The France Chicago Center, The Department of History, The Interdisciplinary Workshop on Modern France and the Francophone World, The Department of Romance Languages & Literatures, and The Office of the Provost present:



Patrick Boucheron

Collège de France
Professor/Chair: History of the Powers
of Western Europe, 13th-16th Centuries

France in the World : A Medievalist Reflects on the 'Master Narrative'

Professor Boucheron will talk about his recent best-selling book, *Histoire mondiale de la France* (2017, Seuil), and share reflections on the discussions and debates, both in France and beyond, that the book has generated.

Following the lecture, Professor Stéphane Gerson (NYU)—editor of the English-language edition of the book, entitled *France in the World, A New Global History* (Other Press, 2019)—will speak briefly about the motivations for the translation, various choices made, and the cultural contexts for such histories.

Tuesday, May 7
4:30 pm
SSRB #224
1126 E. 59th St.

Reception to follow

Workshops

Interdisciplinary Workshop on Modern France and the Francophone World

These sessions bring together UChicago faculty members and advanced graduate students in various departments to discuss papers or drafts of book chapters submitted by faculty members or dissertation chapters submitted by graduate students. All papers are pre-circulated in advance, in order to facilitate deeper and more nuanced discussion. The workshop helps presenters to refine their thoughts before submission and publication, and also challenges them to articulate the importance of their work in context and to answer specific and often unforeseen questions and concerns about their research.

University faculty members and outside guests who present at our workshop also model to students how scholars in other stages of their careers work through the process of writing and developing new scholarly ideas and projects. The workshop teaches graduate students how to be astute readers of texts, offer insightful comments and questions, and support and challenge each other in order to produce their best possible work.

Eric Jennings, Professor of History at the University of Toronto, presented a paper entitled “The Martinique Corridor, 1940-1941: Rescue or Expulsion?” October 5, 2018, in the John Hope Franklin Room, SS #224.

Michele Kenfack, PhD candidate in Romance Languages & Literature at the University of Chicago, presented a chapter from her dissertation entitled « L’espace apocalyptique: la ville aux confins de l’horreur et de la deliquescence. » October 19, 2018, in Wieboldt #207.

Katie McDonough, Visiting Post-doctoral Fellow at the Neubauer Collegium, led discussion on her paper entitled “Provincializing Information in Old Regime France: Roads, Maps, and Dictionaries in Brittany.” November 2, 2018, in the John Hope Franklin Room, SS #224.

Charles Keith, Associate Professor of History at Michigan State University, presented his paper entitled “The Daily Lives of Indochinese Migrants in Interwar France.” November 16, 2018, in the Social Sciences Tea Room (SS #201). Co-sponsored by the East Asia Trans-Regional Histories Workshop.

Bastien Craipain, PhD candidate in Romance Languages & Literatures at the University of Chicago, presented a chapter from his dissertation entitled “Par-delà l’anthropologie (raciale): Frédéric Marcelin, le roman national et la culture haïtienne.” November 30, 2018, in the John Hope Franklin Room, SSRB #224.

Deirdre Lyons, PhD Candidate in History, led discussion on a chapter of her dissertation entitled “‘A Profound and Natural Antipathy Between Marriage and Slavery:’ French Abolitionism during the July Monarchy.” January 25, 2019, in the John Hope Franklin, SSRB #224.

Katharine Hamerton, Associate Professor of History at Columbia College, presented her paper entitled “Malebranche, Fashion and the Providential Economy of the Enlightenment.” February 8, 2019, in the John Hope Franklin, SSRB #224.

Hall Bjørnstad, Associate Professor of French at Indiana University, presented a paper entitled “Mirrors of Absolutism.” February 22, 2019, in the John Hope Franklin, SSRB #224.

Nicholas O’Neill, PhD candidate in History, led discussion on a chapter of his dissertation entitled “Merchant Capitalism and Product Innovation in the French Porcelain Industry, 1720-1750.” March 8, 2019, in the John Hope Franklin Room, SSRB #224.

Johanna Pacyga, PhD candidate in Anthropology, led a discussion on a dissertation chapter entitled “Growing an African Church: Indigenous Sisters and the Expansion of the French Mission to Senegal.” Deirdre Lyons was the discussant. April 5, 2019, in the John Hope Franklin Room, SSRB #224.

Thomas Dodman, Assistant Professor of French at Columbia University, presented a paper entitled “When Emile went to war: becoming a citizen-soldier.” May 3, 2019, in the John Hope Franklin Room, SSRB #224.

Jennifer Cole, Professor and Chair, Department of Comparative Human Development, presented a book chapter entitled “The Traffic in Husbands: Extending Networks Transnationally,” May 17, 2019, in Wieboldt #207.

Henry Shah, Shriver Center on Poverty Law, presented a paper entitled “‘Un jour, je ne serai plus rom !’. Vers une ethnographie intersectionnelle des revendications citoyennes des jeunes migrant.e.s européen.e.s. » May 24, 2019, in the John Hope Franklin Room, SSRB #224.

Amine Bouhayat, PhD student in Romance Languages & Literatures presented a dissertation chapter entitled “Archéologie de l’impérialisme: Les relations internationales dans la tragédie française d’Ancien Régime (Corneille, Racine, Voltaire). » May 31, 2019, in the John Hope Franklin Room, SSRB #224.

INITIATIVES IN THE ARTS

Artist Visits

Peggy Pierrot, a French writer, activist, and multi-media artist, was in residence at the University of Chicago—and more generally on the South Side of Chicago—from early July through late September 2018. Her visit was organized as part of the Method Room residency program (curated by Guillaume Désanges) and was supported by FACE in Chicago, the Cultural Services of the French Consulate, the Hyde Park Art Center, Experimental Station, and DuSable Museum.

Philippe Parreno, acclaimed Algerian-Born visual artist visited the University of Chicago in late October as part of a seminar offered at the University of Chicago by Ina Blom (University of Oslo). Mr. Parreno and Jörn Schafaff (a Berlin-based art historian) lectured in the context of this seminar and also participated in a public event entitled “What is a Collective? An Evening with Philippe Parreno.” The event featured conversation between Philippe Parreno, Jörn Schafaff, and Ina Blom as well as screenings of three of Mr. Parreno’s films. October 29, 2018, in the Performance Penthouse at the Logan Center for the Arts.



Artist Philippe Parreno (left) with Jörn Schafaff (middle) and Ina Blom (right) at a colloquium on October 29, 2018 at the Logan Center for the Arts



Spektral Quartet at rehearsal: counterclockwise from the left: Doyle Armbrust, Max Bruckert, Christopher Trapani, Maeve Feinberg, Clara Lyon

Didier Petit is a cellist who specializes in improvisation. He is the co-founder of the label *In Situ* and is the distributor for *Les Allumés du jazz*. He is also the musical director of l'Observatoire de l'Espace at the National Center for Spatial Studies. He, like Edward Perraud, was one of the members of The Bridge #15 ensemble, and in that capacity was in residence in Chicago for two weeks in November 2018.

Edward Perraud is a drummer, composer, improviser, and researcher. He practices a wide variety of musical styles, including classical, contemporary, jazz, and free jazz. Edward, like Didier Petit, was part of The Bridge #15 ensemble that performed at the Logan Center on November 17, 2018. During his residency, he also participated in classroom activities and visits both on campus and in other settings throughout Chicago.

Claire Denis, the critically and popularly acclaimed film director, accepted an invitation to attend the Chicago premiere of her recent film *High Life* on the University of Chicago campus. She also participated in a post-screening Q&A discussion moderated by Daniel Morgan (UChicago) and Michael Phillips (Chicago Tribune). A reception in Ms. Denis's honor took place prior to the screening, April 8, 2019, at Max Palevesky Cinema at Ida Noyes Hall.

Max Bruckert, self-taught guitarist and electroacoustic musician, came to Chicago for a week this spring at the invitation of The Spektral Quartet in order to collaborate on a performance that featured the world premier of a work by Chris Tapani. Max Bruckert and Chris Tapani collaborated in the electronics for *Isolario: Book of Knowledge, Vol.2*. May 4, 2019, at Assembly Hall in International House.

Simon Sieger plays trombone, accordion and piano, and is a musicologist who is currently pursuing doctoral studies under the direction of Christine Esclapez. He plays with the *Nine Spirit* Company and with various impromptu groups. Simon, like Olivia Scemama, came to Chicago for two weeks this spring as part of the Bridge 2.1, a musical ensemble that participated in classroom activities and performed at the Logan Center on May 10, 2019.

Olivia Scemama is a Paris-based bass guitar player who performs and records in the Ile-de France region and beyond. Olivia, like Simon Sieger, played and toured in Chicago with The Bridge 2.1 for two weeks in early May, and played in many concerts. She also participated in many classroom engagement opportunities in and around the Chicago area.

Film Screenings

The France Chicago Center partnered with Doc Films, the Office of Cultural Services in Washington, the Consulate of France in Chicago, and the Film Studies Center to present screenings of the following films in the context of 3 major film series that featured the films of Chantal Akerman (autumn quarter), films starring Isabelle Huppert (winter quarter), and the films of Claude Chabrol (spring quarter):

Hôtel Monterey + News from Home

Chantal Akerman, 1972 + 1977, 62 minutes + 88 minutes, DCP
October 3, 2018, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Je tu il elle

Chantal Akerman, 1974, 90 minutes, DCP
October 10, 2018, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Jeanne Dielman, 23, quai du Commerce, 1080 Bruxelles

Chantal Akerman, 1975, 201 minutes, 35 mm
October 17, 2018 at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Toute une nuit

Chantal Akerman, 1982, 90 minutes, 35 mm
October 24, 2018, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Golden Eighties

Chantal Akerman, 1986, 96 minutes, DCP
October 31, 2018, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Nuit et jour

Chantal Akerman, 1991, 95 minutes, 35 mm
November 7, 2018, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

From the East

Chantal Akerman, 1993, 110 minutes, 16 mm
November 14, 2018, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

La Captive

Chantal Akerman, 2000, 118 minutes, 35 mm
November 28, 2018, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

No Home Movie

Chantal Akerman, 2015, 115 minutes, DCP
December 5, 2018, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

The Lacemaker

Claude Goretta, 1977, 107 minutes, 35 mm
January 9, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Heaven's Gate

Michael Cimino, 1980, 217 minutes, DCP
January 16, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Loulou

Maurice Pialat, 1980, 110 minutes, DCP
January 23, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Every Man for Himself

Jean-Luc Godard, 1980, 87 minutes, 35 mm
January 30, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Amateur

Hal Hartley, 1994, 105 minutes, 35 mm
February 6, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

I Heart Huckabees

David O. Russell, 2004, 107 minutes, 35 mm
February 13, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall



From *Je tu il elle*, Chantal Akerman (1974)



Isabelle Hubbert in *White Material*, Claire Denis (2009)

8 Women

François Ozon, 2002, 118 minutes, 35 mm
February 20, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

White Material

Claire Denis, 2009, 106 minutes, 35 mm
February 27, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

In Another Country

Hong Sang-soo, 2012, 89 minutes, DCP
March 6, 2019, at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Things to Come

Mia Hansen-Løve, 2016, 102 minutes, DCP
March 13, 2019 at 7:00 pm and 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Les Bonnes Femmes

Claude Chabrol, 1960, 100 minutes, 16 mm
April 1, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

La Femme Infidèle

Claude Chabrol, 1969, 98 minutes, 16 mm
April 15, 2019, at 7:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Les Cousins

Claude Chabrol, 1959, 109 minutes, Blu-ray
April 15, 2019, at 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

Le Boucher

Claude Chabrol, 1970, 95 minutes, 16 mm
April 22, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall



From *Les Cousins*, Claude Chabrol (1959)



Filmmaker Claire Denis (left) at Max Palevsky Cinema, with Michael Philips (middle) and Daniel Morgan (right)

Wedding in Blood

Claude Chabrol, 1974, 95 minutes, 16 mm
May 6, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Chicken with Vinegar

Claude Chabrol, 1985, 110 minutes, DCP
May 13, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Betty

Claude Chabrol, 1992, 103 minutes, DCP
May 20, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

L'Enfer

Claude Chabrol, 1994, 102 minutes, DCP
May 20, 2019, at 9:30 pm
Max Palevsky Cinema, Ida Noyes Hall

La Cérémonie

Claude Chabrol, 1995, 112 minutes, 35 mm
June 3, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall

Special Screening—with the director in person for Q&A

High Life

Claire Denis, 2018, 110 minutes, DCP
April 8, 2019, at 7:00 pm
Max Palevsky Cinema, Ida Noyes Hall



Roundtable discussion with the musicians of The Bridge 2.1. Left to right: JayVe Montgomery, Simon Seiger, Olivia Scemama, Alexandre Pierrepont (moderator), Rob Frye, Dan Bitney, Peter Gillette (moderator)

Concerts/Performances:

Spektral Quartet, an Ensemble-in-Residence at the University of Chicago, performed a program produced in partnership with GRAME, a center for electronic music based in Lyon, France. The concert featured a world premiere of a work by Christopher Trapani, *Isolario: Book of known Islands, Vol. 2*. Max Bruckert collaborated with the composer and the ensemble in producing the concert. May 4, 2019, at Assembly Hall in International House.

Bridge #15, a Franco-Chicago ensemble comprised of Josh Berman (Cornet), Jason Stein (bass clarinet), Didier Petit (cello),

and Edward Perraud (drums). The post-performance roundtable discussion was moderated by Richard Neer (UChicago) and Alexandre Pierrepont (Director of The Bridge). November 17, 2018, at the Logan Center, Performance Penthouse.

Bridge 2.1, a Franco-Chicago ensemble comprised of Dan Bitney (drums, electronics), Olivia Scemama (Bass), Rob Frye (woodwinds, percussion, voice), JayVe Montgomery (woodwinds, percussion, voice), Simon Seiger (trombone, accordion, piano). The post-performance roundtable discussion was moderated by Peter Gillette (UChicago) and Alexandre Pierrepont (Director of The Bridge). May 10, 2019, in the Logan Center Performance Penthouse.



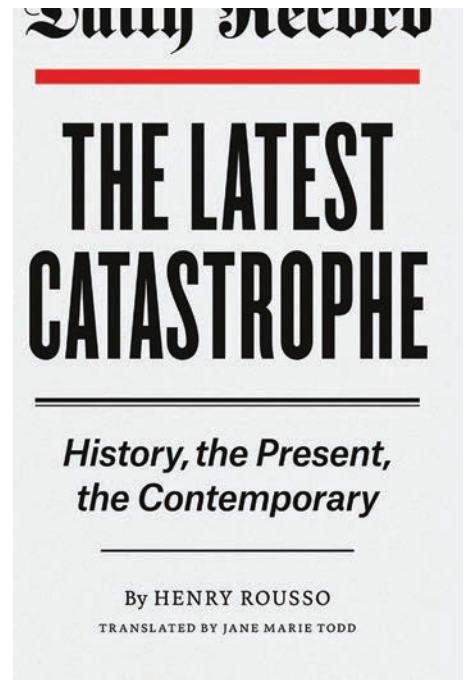
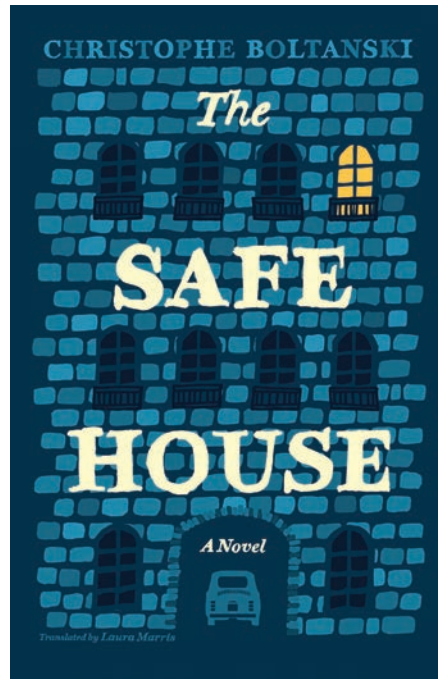
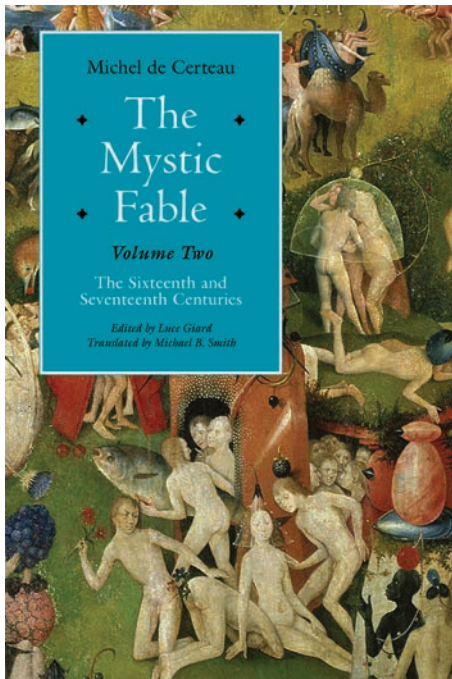
Performance by The Bridge 2.1 on May 10, 2019, at the Logan Center for the Arts. Left to right: Simon Seiger, JayVe Montgomery, Olivia Scemama, Rob Frye

COLLABORATION WITH THE UCHICAGO PRESS

Through a collaboration with the University of Chicago Press, the France Chicago Center helps bring seminal French-language works of literature and scholarship to an English-speaking public. During the first three years of this partnership, translation subsidies provided by the France Chicago Center made possible translations of works by Michel de Certeau (*The Mystic Fable, Volume Two*), Henry Rousseau

(*The Latest Catastrophe: History, the Present, the Contemporary*), and Christophe Boltanski (*The Safe House*).

Translation subsidies provided by the France Chicago Center in 2018 and 2019 will bring to print in 2020 works by Michel Foucault (*Lectures*), Claude Levi-Strauss (*La Pensée Sauvage*), Pierre Hadot (*N'oubliez pas de vivre*), and Jacques Derrida (*Life Death*).



Three English-language publications made possible through a partnership between the France Chicago Center and the University of Chicago Press

FCC MISSION

The France Chicago Center (FCC) is devoted to fostering, promoting, and increasing fruitful intellectual exchange between the University of Chicago and France, and to increasing awareness and appreciation of French culture, art, and thought within the University community and beyond. It pursues these goals through structured initiatives—graduate workshops, fellowship and travel grant competitions, public lectures, visiting scholars, and a collaborative research seed-funding program in the sciences—and by working closely with students, faculty, and University-based partners to develop and support France-related grassroots initiatives.

FINANCIAL SUMMARY¹

FCC Revenue

Endowment Revenue ²	\$153,900
Unrestricted Support from University of Chicago Units ³	\$34,000
Programmatic Support from University of Chicago Units ⁴	\$215,000
Programmatic Support from National Laboratories ⁵	\$59,100
Programmatic Support from the French Ministry of Foreign Affairs ⁶	\$42,000
Programmatic Support from the French Ministry of Higher Education ⁷	\$44,000
Programmatic Support from Private Donors ⁸	\$44,300
Total	\$592,300

Expenditures

Student Mobility ⁹	\$151,400
Collaborative Research in the Sciences (FACCTS) ¹⁰	\$273,500
Scholarly Visits and Events ¹¹	\$88,100
Initiatives in the Arts ¹²	\$29,300
Outreach	\$2,600
UChicago Press Collaboration	\$10,000
Administrative Expenses	\$49,400
Total	\$604,300

1 This financial summary was finalized prior to the end of fiscal year 2019. For that reason some figures are based on projections. All figures are rounded to the nearest hundreds.

2 FCC endowment value as of 3/31/19 was \$3,141,705. The payout formula is determined by the University of Chicago Board of Trustees.

3 This figure includes unrestricted support from the Harris School of Public Policy, the Division of the Humanities, the Division of the Social Sciences, the School of Social Service Administration, and the Divinity School.

4 This figure includes contributions from units in support of: FACCTS, FACCTS in Paris, The Collège de France Exchange initiatives, The Bridge concerts and discussion, various conferences, the EHESS exchange fellowships, and the Workshop on Interdisciplinary Approaches to Modern France and the Francophone World.

5 Includes contributions to FACCTS-supported collaborative research by Argonne National Laboratory and Fermilab National Accelerator Laboratory.

6 Includes an unrestricted financial contribution to the FACCTS program, support of the February FACCTS meetings in France, support of the visits to campus by Philippe Parreno and Pascal Brice, and restricted funds made available through the French government's Make Our Planet Great Again initiative.

7 For support of FCC's student mobility initiatives (\$20,000) and FACCTS (\$24,000).

8 Includes contributions to the FACCTS program by members of FCC's Support Council in the Sciences (Confrères).

9 Included in this figure are: 7 fellowships (\$80,500), 14 Research or Language-Study Travel Grants (\$36,400), and 7 Summer Internship Travel Grants (\$34,500).

10 See appendix for more detail.

11 Costs associated with: 3 longer-term scholarly visits, 14 colloquia, 21 public lectures, and 15 workshop sessions.

12 Includes support of French and French-language film screenings in partnership with Doc Films and the French Consulate, Bridge concerts, and visits to campus by 8 French artists.

APPENDIX I—SUPPLEMENTAL INFORMATION ON FACCTS

Total FACCTS Applications Received	23
Applications from the Physical Sciences (PSD).....	8
Applications from the Biological Sciences (BSD)	6
Applications from the Institute for Molecular Engineering (IME)	3
Applications from Argonne National Laboratory (ANL)	5
Applications from Fermilab	1
Total Funding Requested	\$478,765
Total Requested by PSD Faculty*	\$138,116
Total Requested by BSD Faculty*	\$120,261
Total Requested by IME Faculty*	\$62,000
Total Requested by Researchers at ANL	\$143,228
Total Requested by Researcher at Fermilab	\$15,160
Total Number of FACCTS Grants Awarded	15
Recipients in PSD	6
Recipients in BSD	4
Recipient at IME	2
Recipients at ANL	2
Recipient at Fermilab	1
Total Funding Allocated to FACCTS Projects	\$273,458
Allocated to Projects in PSD	\$102,918
Allocated to Projects in BSD	\$71,400
Allocated to Projects at IME	\$40,000
Allocated to the ANL-Based Projects	\$43,980
Allocated to the Fermilab-Based Project	\$15,160
Average Amount of Each Request	\$20,816
Average Amount of Each Award	\$18,231

Partners/Stakeholders

Members of the France Chicago Center Support Council in the Sciences (Confrères)	\$44,318
Argonne National Laboratory	\$43,980
Office of the Provost of the University of Chicago	\$25,000
Division of the Physical Sciences	\$25,000
Division of the Biological Sciences	\$25,000
French Ministry of Higher Education and Research	\$24,021
French Government's Make Our Planet Great Again Initiative	\$18,000
France Chicago Center	\$17,979
Fermilab National Accelerator Laboratory	\$15,160
Office of the EVP for Research, National Laboratories, & Innovation	\$15,000
Institute for Molecular Engineering	\$10,000
Office of Science and Technology at the Embassy of France in Washington	\$10,000
Total	\$273,458

Review Committee Composition

The France Chicago Center acknowledges the work of the 2019 FACCTS committee, whose members included: **Stephanie Palmer** in the Department of Ecology and Evolution (representing BSD); **Cheng Chin** in the Department of Physics (representing PSD); **Marcelo Nobrega** in the Department of Human Genetics (representing BSD); and **Keith Moffat** in the Department of Biochemistry and Molecular Biology (representing FCC). **Robert Morrissey** in the Department of Romance Languages & Literatures (representing FCC) chaired the committee. **Yves Frénot** (Counselor for Science and Technology at the French Embassy in Washington), **James Dat** (Scientific Attaché at the Consulate of France in Chicago), and **Joaquim Nassar** (Ministry of Higher Education, Research, and Innovation) participated in the discussion and decision-making as well. **Daniel Bertsche** (Associate Director, France Chicago Center) convened and facilitated the committee's discussions and deliberations.

FCC Support Council in the Sciences (Confrères)

The France Chicago Center's Support Council in the Sciences, the individual members of which are designated as *Confrères*, has once again provided critical support to the FACCTS program. This year, *Confrères* are the lead stakeholders in terms of financial resources provided (see above), and have underwritten in full the costs of three distinct research collaborations—Eren-Eveillard, Grandi-Lavina, and Lim-Gaubert. The France Chicago Center wishes to thank the following individuals for their valuable contributions: **Tem Horwitz** (co-chair), **Bradley Langer** (co-chair), **Daniel Weissbluth** (co-chair), **Andrew Albert**, **George Austin**, **Sandra Barreto**, and **Richard F. Tomlinson, II**. The science department of **Francis W. Parker School** also participates in the Support Council program.

APPENDIX II—FACCTS PROJECT DESCRIPTIONS

Exploring New Dark Matter Scenarios with Xenon-Based Detectors

Chicago PI:Luca Grandi (Physics)
Key Individual in France:Luca Scotto Lavina
(LPNHE, CNRS, IN2P3)
Level of FACCTS funding over 1 Year: \$14,818

PROJECT SUMMARY: A large number of astronomical observations indicates that the vast majority of the matter in our Universe differs from the matter that we are used to. Discovering the nature of this “Dark Matter” is one of the biggest challenges in present cosmology. Liquid xenon is one of the most successful technologies in the search for Dark Matter and the XENON1T experiment, with a mass of 3.2 tonnes is presently the most sensitive detector for such searches. The Principal Investigators (PIs) propose to run a small-scale xenon detector at UChicago to investigate the origin of a not-yet understood instrumental background preventing analysis of XENON1T data at extremely low energies. A successful investigation will inform XENON1T analysis and extend its reach and chances of detecting Dark Matter.

This collaboration is supported by the Support Council in the Sciences (Confrères).

Active Chiral Fluids

Chicago PI: William Irvine (Physics)
Key Individual in France: Denis Bartolo (ENS, Lyon)
Level of FACCTS funding over 2 years: \$20,000

PROJECT SUMMARY: We propose to build a three-dimensional active fluid by suspending billions of microscopic spinning articles in water. Perturbing, imaging, and tracking the ensuing motions, we will peer into the chiral flow of this new state of matter for the first time. Our objective is to establish its laws of motion and its interaction with conventional matter: mechanical probes, channel walls and objects suspended within. Success in this project will bring the status of artificial synthetic active matter research from proof-of concept 2D experiments to full 3D active materials—closer in spirit to the flocks of birds and schools of fish that inspired the field’s inception.

Boosting Discoveries at the LHC with Lund Jet Plane Measurements and Machine Learning

Chicago PI:David Miller (Physics)
Key Individual in France:Reina Camacho Toro
(CNRS, CERN)
Level of FACCTS funding over 2 years: \$21,000

PROJECT SUMMARY: Recent advances in jet physics at hadron colliders has demonstrated that detailed theoretical understanding of the structures inherent in these objects coupled with the experimental capabilities for dissecting, measuring, and using this information can lead to dramatic increases in discovery potential for new physics. One theoretical advancement is the proposal to map the phase space within a single jet using the Lund jet plane. The analytical properties of this approach to jet substructure coupled with the feasibility of detailed measurements of the Lund jet plane using the ATLAS detector at the Large Hadron collider allow for unique insight into both Quantum Chromodynamics as well as potential physics beyond the Standard Model.

Tropical Mathematics of Deep Learning

Chicago PI:Lek-Heng Lim (Statistics)
Key Individual in France: Stéphane Gaubert
(CNRS, École Polytechnique)
Level of FACCTS funding over 2 years: \$20,000

PROJECT SUMMARY: Deep neural networks have become immensely popular and important over the last decade, powering numerous revolutionary technologies. Their workings, however, have remained a mystery and our lack-of understanding of deep neural networks has become our greatest impediment towards improving and better deploying them. This project seeks to explain the mysteries of deep neural networks by employing tools from a novel area of mathematics called tropical mathematics. It pivots on our recent discovery that deep neural networks are tropical rational functions. The project brings together a world expert on tropical mathematics (the French applicant) and the person who discovered this unexpected connection between deep learning and tropical mathematics.

This collaboration is supported by the Support Council in the Sciences (Confrères).

Collaborative Studies of Mineral and Melt Properties in Earth's Core and Core-Mantle Boundary

Chicago PI: Andrew Campbell (Geophysical Sciences)
Key Individual in France: . . . Razvan Caracas (CNRS, ENS-Lyon)
Level of FACCTS funding over 1 year: \$12,100

PROJECT SUMMARY: Chicago PI Campbell and France collaborator (KIF) Caracas both lead research programs investigating the properties and behavior of Earth's deep interior. The Chicago lab uses experimental methods and the Lyon group uses computational methods, and the combination of these two methods can be more powerful than either alone. Here we propose for two Chicago graduate students to visit Lyon and learn to use density functional theory to augment the experimental results on their Ph.D. projects. The French collaborator will commit very substantial CPU time to the project. The results will improve our understanding of the iron alloys in Earth's metallic core, as well as the partially molten rock at Earth's core-mantle boundary.

Improving Prospects for CMB Science by Strengthening the SPT-Planck Connection

Chicago PI: Thomas Crawford (Astronomy & Astrophysics)
Key Individual in France: . . . Silvia Galli (Institut d'Astrophysique de Paris, Planck DPC)
Level of FACCTS funding over 2 years: \$15,000

PROJECT SUMMARY: This proposal seeks to strengthen the connection between two world-leading groups in the field of cosmic microwave background (CMB) research: The South Pole Telescope (SPT) and Planck teams. Data from the Planck satellite is the most important contributor to current cosmological constraints, while data from the SPT is being used by the Chicago-led team to further mine this rich source of cosmological information. The Planck team has a wealth of expertise they can potentially lend to the cutting-edge SPT efforts, and this partnership would set the stage for European-American collaboration on future projects such as CMB-S4. The funding sought here would support travel between Chicago and Paris for key members of the SPT and Planck teams.

A Genetic Scan to Dissect Climate Adaptation in Phytopathogenic Bacteria

Chicago PI: Joy Bergelson (Ecology & Evolution)
Key Individual in France: Fabrice Roux (CNRS-Toulouse)
Level of FACCTS funding over 2 years: \$20,000

PROJECT SUMMARY: The emergence of new diseases on crops is likely to be profoundly affected by climate change due to its dependence on environmental factors. It is well known that specific climate conditions promote pathogen survival and spread. In order to predict the emergence of crop diseases in the future, it is necessary to understand the genetics of climate adaptation in phytopathogenic bacteria. In this project, we will sequence the whole genomes of phytopathogenic bacteria isolated from natural *Arabidopsis thaliana* populations collected in the south-west of France for which climatic variables have been characterized. Whole genome sequences from the bacterial strains and the climate data will be used to perform genome-environment- association (GEA) to identify, for the first time, bacterial loci underlying climate adaptation.

Systems Analysis of Plant Defenses Promoted by Endogenous Bioactive Metabolites

Chicago PI: Jean Greenberg (Molecular Genetics & Cell Biology)
Key Individual in France: Claire Parent (CNRS, Université de Franche-Comté)
Level of FACCTS funding over 2 years: \$20,000

PROJECT SUMMARY: Plants produce many interesting chemicals, called secondary metabolites, which regulate diverse processes. The Greenberg lab has an interest in the enzymes and their metabolite products that impact immunity and stress. Dr. Parent has an interest in stress responses and proposes to do collaborative sabbatical research with the Greenberg lab. An interesting observation is that some plant enzymes produce different metabolites depending on whether plants experience stress or not. Additionally, combinations of metabolites might promote unique plant properties. Although each metabolite might confer enhanced immunity, the specifics of how each one (or combinations) promote immunity or stress tolerance is unknown. This proposal addresses the mechanism by which several metabolites act by measuring their global effects on plant transcripts and immunity-associated proteins.

Biodiversity, Conservation and Evolution of Coral Reef Fishes in French Polynesia

Chicago PI: . . . Mark Westneat (Organismal Biology & Anatomy)
Key Individual in France: . . . Serge Planes (CNRS,
Université de Perpignan)

Level of FACCTS funding over 2 years: . . . \$21,900

PROJECT SUMMARY: Coral reef ecosystems were once thought to be protected from the impacts of species loss due to their high biodiversity. However, these ecosystems are home to many fish species that perform unique and important ecological roles, and the loss of these species may have disproportionately large effects on the health and resilience of reef communities. In this proposal, we develop a new collaboration with the Université de Perpignan and the CRIOBE marine laboratory to integrate ecological data with species-specific functional data of fishes in Moorea, French Polynesia. The assessment of current ecological diversity within these reef habitats is critical to predicting the impacts of climate change on these coral reef ecosystems and to designing and implementing effective conservation methods and policy.

Rapid Phylogenomic Placement of Microbial Genomes from Metagenomes

Chicago PI: . . . A. Murat Eren (Medicine,
Committee on Microbiology)

Key Individual in France: . . . Damien Eveillard
(Université de Nantes)

Level of FACCTS funding over 1 year: . . . \$9,500

PROJECT SUMMARY: Life stands on the shoulders of microbes. From the recycling of essential molecules that are critical for the habitability of Earth to our ability to recover dietary nutrients from food, microbes underpin biogeochemical processes at every scale. Recent technological advances enabled comprehensive investigations of the naturally occurring microbial life, which was followed by an explosion of studies that target microbiomes everywhere. While scientists can now recover genomes of novel microbes directly from the environment to study outstanding environmental and medical questions, rapid and accurate identification of the taxonomic origins of new genomes remains a significant challenge. Here we propose a short collaboration between two complementary groups to search for an effective solution.

This collaboration is supported by the Support Council in the Sciences (Confrères).

Analyzing Immune Cell Migration Dynamics at the Scale of the Whole Organism in Mice

Chicago PI: . . . Nicolas Chevrier (IME)
Key Individual in France: . . . Aleksandra Walczak
(CNRS, ENS-Paris)

Level of FACCTS Funding over 2 years: . . . \$22,000

PROJECT SUMMARY: A central interdisciplinary challenge in biology is to track the migration of many individual cells—by the thousands to millions—across an entire organism. We propose to address this challenge through the lens of the adaptive immune system of mammals, which includes T and B cells that can detect virtually any pathogen. Each T and B cell is referred to as a clone because it expresses a unique receptor produced by somatic gene rearrangements. We will study the collective migration patterns of these clones and evaluate the use of this new type of information to predict how the ensemble of T and B cells, referred to as immune repertoires, collectively respond to infection and cooperate to eliminate pathogens.

Quantum Monte Carlo Studies of Charge Density Waves in an External Magnetic Field

Chicago PI: . . . Peter Littlewood (IME)
Key Individual in France: . . . George Batrouni
(Université de Nice)

Level of FACCTS Funding over 2 years: . . . \$18,000

PROJECT SUMMARY: Charge Density Waves (CDWs) are a novel state of matter that leads to a periodic modulation of the charge density in a material. CDWs occur at low temperatures when there are interactions between electrons and phonons. Recent experiments indicate that applying a magnetic field to several CDW materials leads to a large change in the electrical resistance which is linear in magnetic field. We hypothesize that this effect is due to quantum phenomena involving the tunneling of electrons between classically distinct paths, not included in current theory. Prof George Batrouni in France has developed efficient Quantum Monte Carlo (QMC) algorithms which address significant technical bottlenecks and hence are faster than existing QMC algorithms. By collaborating with Prof George Batrouni, we hope to leverage on these improved QMC methods to conduct large-scale simulations of CDWs in an external magnetic field, and hence understand the origin of the high linear magnetoresistance.

An Additive Manufacturing Approach to On-Demand Single Photon Sources & Quantum Networks

Chicago PI: . . . Gary Wiederrecht (Argonne National Laboratory)
Key Individual in France: Renaud Bachelot
(Université de Technologie de Troyes)
Level of FACCTS funding over 2 years: \$24,000

PROJECT SUMMARY: We propose an additive manufacturing approach based on high resolution 1D, 2D, and 3D printing to create cost effective quantum optical materials. Recent discoveries in quantum computing, quantum cryptography, and quantum sensing demonstrate the extraordinary potential advantages for harnessing quantum versus classical processes using photons as qubits. However, there is a great need for reliable and cost-effective manufacturing approaches to deliver quantum optical materials to a wide array of engineers and scientists, so as to more rapidly advance quantum technologies. This proposal aligns with Argonne’s strategic directions in Materials and Chemistry.

In Situ Recrystallization Study of Polycrystalline Materials by Total Scattering

Chicago PI: Peter Kenesei (Argonne National Laboratory)
Key Individual in France: Andras Borbely
(Ecole des Mines de Saint-Etienne)
Level of FACCTS funding over 2 years: \$19,980

PROJECT SUMMARY: The vast majority of materials used in today’s energy and industrial applications are polycrystals. Shaping their physical properties to the requirement of a specific application needs a long development phase during which several hundred experimental recrystallization tests are usually performed. The aim of the present proposal is the development of a hard X-ray scattering method permitting unprecedented combined analysis of all the relevant micro-structural mechanisms. The results will provide much needed insight for manufacturing technology and for scientific model development. Recrystallization is one of the major subjects in materials science, which lacks proper predictive models and is still not well understood. Case studies according to conventional technologies and modern metallurgy based on additive manufacturing will be performed.

Connecting the Beam Dynamics Code TRACEWIN to the PIP-II Injector Test

Chicago PI: Jean-Paul Carneiro (Fermilab)
Key Individual in France: Didier Uriot (CEA Saclay)
Level of FACCTS Funding over 2 years: \$15,160

PROJECT SUMMARY: Particle accelerators are tuned and optimized by controlling a few parameters, which are determined iteratively from undertaking specific measurements and comparing them to models, consequently requiring the combined effort of several specialists, from beam physicists to operators. In the future, particle accelerators are expected to be more autonomous with minimal interaction from physicists. This will not only speed up the commissioning time of a new accelerator but also enable reaching beam availabilities close to 100%. This proposal describes a collaboration between CEA-Saclay and Fermilab aimed at integrating the CEA-owned beam dynamics code TRACEWIN into the PIP-II Injector Test accelerator controls at Fermilab, thus creating the infrastructure to realize the first autonomous accelerator worldwide.

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