

II CAPES PRINT WORKSHOP WITH THE BRAZIL GATEWAY AND CENTER FOR LATIN AMERICAN STUDIES AT THE OHIO STATE UNIVERSITY

PARTNERS

Federal University of Paraíba
Federal University of Paraná
Federal University of Rio Grande do Sul
São Paulo State University
State University of Rio de Janeiro
University of São Paulo

OVERVIEW

The Brazil Gateway and the Center for Latin American Studies will host two virtual workshops to showcase the CAPES PrInt program, which supports graduate student and faculty exchanges financed by the Coordination for the Improvement of Higher Education Personnel of the Brazilian Ministry of Education. CAPES-PrInt offers funding for graduate students, faculty mobility opportunities and serves as a network to establish research connections. CAPES launched PrInt in 2017 by awarding 36 Brazilian universities grants totaling \$60 million over a five-year period to foster reciprocal academic and research opportunities for graduate students and faculty in Brazil and their international partners. Ohio State is a partner with six Brazilian universities as part of the CAPES-PrInt program.

PROGRAM FOR NOVEMBER 17

U.S. Eastern Time

11-11:05 a.m.

Opening remarks

- **Gil Latz**, Vice Provost for Global Strategies and International Affairs, Ohio State

11:05-11:10 a.m.

Introduction to participating universities

- **Jane Aparecido**, Director, Brazil Gateway

11:10 a.m.-12:45 p.m.

Brazilian Universities

State University of Rio de Janeiro

11:10-11:20 a.m. – Internationalization through CAPES PrInt

11:20-11:35 a.m. – Research with the Ohio State College of Engineering (non-classical transport)

11:35-11:40 a.m. – Q&A

Federal University of Paraná

11:40-11:50 a.m. – Internationalization through CAPES PrInt

11:50 a.m.-12:05 p.m. – Research with the Ohio State Global One Health initiative (transboundary zoonotic diseases)

12:05-12:10 p.m. – Q&A

Federal University of Rio Grande do Sul

12:15-12:25 p.m. – Internationalization through CAPES PrInt

12:25-12:40 p.m. – Research with the Ohio State Department of Food Science and Technology (food metabolomics)

12:40-12:45 p.m. – Q&A

12:45-12:55 p.m.

Q&A and comments

12:55-1 p.m.

Closing remarks

- **Bruce McPherson**, Dean's Chair, College of Food, Agricultural, and Environmental Sciences International Programs, Ohio State

PROGRAM FOR NOVEMBER 18

U.S. Eastern Time

11-11:05 a.m.

Opening remarks

- **Jan Weisenberger**, Senior Associate Vice President for Research, Ohio State

11:05-11:10 a.m.

Introduction to participating universities

- **Jane Aparecido**, Director, Brazil Gateway

11:10 a.m.-12:45 p.m.

Brazilian Universities

São Paulo State University

11:10-11:20 a.m. – Internationalization through CAPES PrInt

11:20-11:35 a.m. – Research with the Ohio State Department of Spanish and Portuguese (Brazilian literature and culture)

11:35-11:40 a.m. – Q&A

University of São Paulo

11:40-11:50 a.m. – Internationalization through CAPES PrInt

11:50 a.m.-12:05 p.m. – Research with the Ohio State College of Food, Agricultural and Environmental Sciences and the Ohio State Department of Chemistry and Biochemistry (molecular mechanisms of FAW resistance/strategies for the capture and catalytic conversion of CO₂)

12:05-12:10 p.m. – Q&A

Federal University of Paraíba

12:15-12:25 p.m. – Internationalization through CAPES PrInt

12:25-12:40 p.m. – Research with the Ohio State Global One Health initiative and the College of Veterinary Medicine (agricultural chemicals on the gut microbiota and host health)

12:40-12:45 p.m. – Q&A

12:45-12:55 p.m.

Q&A and comments

12: 55-1 p.m.

Closing remarks

- **Bruce McPherson**, Dean's Chair, College of Food, Agricultural, and Environmental Sciences International Programs, Ohio State

UNIVERSITIES AND SPEAKER BIOS

[In order that they appear in the program]

State University of Rio de Janeiro (UERJ)

UERJ was founded in 1930. It is a public university with 5,600 technical and administrative staff, 2,800 faculty members and 43,000 students in 90 undergraduate programs, 63 master's programs, 46 doctoral programs over eight campuses. [Learn more about CAPES PrInt at UERJ.](#)

General research interests and types of collaboration opportunities

- Arts
- Biosciences
- Communication
- Computational modeling
- Ecology and evolution
- Education
- Social and political sciences
- Law
- Letters
- Philosophy
- Physics
- Psychology
- Public health
- Public policy and human development
- Nursing
- Social work
- Sociology

Speakers

Cristina Russi G. Furtado is the director of international cooperation. She received a BS in Chemical Engineering and an MS and PhD in Polymer Science and Technology from the Federal University of Rio de Janeiro.

Luis Antonio C.P. da Mota is the dean of graduate studies and research. He has a BS in Physics and MS in Foundations of Quantum Mechanics, both from the Federal University of Rio de Janeiro. He received his Doctor of Philosophy in String Theory and Compactified Models Phenomenology from the University of Oxford.

Ricardo C. Barros is a faculty member. He holds a BS in Physics, an MS in Nuclear Engineering, an MS in Mathematics and a PhD in Nuclear Engineering. His research interests are deterministic numerical methods for neutral particle transport applied to nuclear reactor physics and radiation shielding calculations for efficient and accurate computer simulations.

Federal University of Paraná (UFPR)

UFPR is a comprehensive public institution of higher education, financed in part by the federal budget and through federal and state research agencies and partnerships with public and private industries at the graduate level. UFPR's main campus is in Curitiba and has five campuses in distinctive regions of Paraná. UFPR scientists publish over 15,000 scientific products annually and are responsible for more than 395 pending patents. [Learn more about CAPES PrInt at UFPR.](#)

General research interests and types of collaboration opportunities

- Advanced materials
- Biodiversity and environment
- Biosciences and health
- Culture and development
- Democracy
- Renewable energy and new forms of energy

Speakers

Andre de Macedo Duarte is the head of the UFPR's International Agency. He has a BS in Social Sciences from the State University of Campinas (UNICAMP), a Master's in Philosophy from the University of São Paulo (USP) and a PhD in Philosophy from USP.

Rafael Vieira is an associate professor of epidemiology of vector-borne diseases and one health in the Department of Veterinary Medicine at UFPR. He leads research at the Vector-Borne Diseases Laboratory (VBDL - UFPR) and is an affiliate of the Global One Health initiative (GOHi) at Ohio State. Vieira's research interests focus on infectious diseases, with an emphasis on vector-borne and transboundary zoonotic diseases and global health.

Federal University of Rio Grande do Sul (UFRGS)

UFRGS is a public university maintained by the Federal Government of Brazil. Founded in 1934, UFRGS is in Porto Alegre, the capital of Rio Grande do Sul, with an area of approximately 22 km². In 2019, it had more than 29,000 undergraduate students, with a couple of Brazilian presidents among its alumni. [Learn more about CAPES PrInt at UFRGS.](#)

General research interests and types of collaboration opportunities

- Education
- Food Safety
- Health

- STEM
- Sustainable energy development
- Technology

Speakers

Henrique Castro is a professor of political sciences and international relations. He has an MS and PhD in Political Sciences. Castro is a Brazilian Fulbright Distinguished Chair in Democracy and Human Development at The Kellogg Institute for International Studies at the University of Notre Dame.

Giovana D. Mercali is a professor at the Department of Food Science at the Institute of Food Science and Technology. She holds a BS in Food Engineering and an MS and PhD in Chemical Engineering. She also completed studies for her PhD at Ohio State. Her research focuses on food science, technology and engineering with a focus on emerging technologies, ohmic heating, moderate electric field, ultrasound, pulsed electric field, extraction using alternative technologies, degradation of bioactive compounds and osmotic dehydration among others.

São Paulo State University (UNESP)

UNESP is a public university. It has units in 24 municipalities in the state – 21 campuses in the interior, a campus in the city of São Paulo and a campus in São Vicente, the first public university on the São Paulo coast. Founded in 1976 from isolated higher education institutes that existed in various state regions, UNESP currently has around 40,000 students and 3,000 professors spread across 32 colleges and institutes, offering 168 undergraduate and 114 graduate courses. [Learn more about CAPES Print at UNESP.](#)

General research interests and types of collaboration opportunities

- Basic science at the edge of knowledge
- Biodiversity and climate change
- Bioeconomy
- Health and wellness
- Materials and technologies
- Plural societies
- Sustainable development

Speakers

José Celso Freire Jr. is the associate provost for international affairs. He has a PhD in Computing, an MS in Digital Systems and a BS in Electrical Engineering. He is currently the Vice President of the Brazilian Association for International Education, an association with directors of international relations from 250 Brazilian higher education institutions.

Giséle Manganelli Fernandes is an associate professor of English. She holds a master's degree from UNESP and a PhD from USP. She also completed a postdoctoral fellowship funded by the São Paulo Research Foundation (FAPESP) at the University of Florida. She has been published widely on Don DeLillo and Latinx in the United States. Her publications include "Posthumanity in DeLillo's *Zero K*: The Rising Connections between Identity and Technology."

University of São Paulo (USP)

USP was established in 1934. It is a public university supported by the São Paulo state government and connected to the Secretariat of Economic Development. Currently, USP is responsible for 20% of all scientific research in Brazil. It offers 183 undergraduate programs in 42 units and has more than 58,000 undergraduate students. Its

graduate education program offers 239 programs with around 30,000 enrolled students. USP has campuses in Piracicaba (ESALQ), Bauru, Lorena, Pirassununga, Ribeirão Preto, Santos, São Carlos, in addition to museums and research centers. [Learn more about CAPES PrInt at USP.](#)

General research interests and types of collaboration opportunities

- Arts and humanities
- Earth and space
- Health and diseases
- Technology
- Translational plant and animal sciences

Speakers

Valmor Tricoli is provost for international cooperation. He holds a bachelor's in Physical Education (1989) and a master's in Biodynamics of Human Movement (1994) from USP. He also has a PhD in Exercise Science and Wellness from Brigham Young University (2000) and completed postdoctoral studies at Edith Cowan University, Australia (2010).

Kavita Hamza is an associate professor in the Business Department at FEA-USP (School of Economics, Business & Accounting). She currently serves as an advisor for international opportunities at the Graduate Office.

Julio Fatoretto is a researcher who currently leads R&D Project & Portfolio Management for North America in Syngenta Seeds. He has a Bachelor of Science and a PhD in Agronomy Engineering and a Master of Science in Genetics and Plant Breeding from São Paulo State University. Fatoretto also has PhD in Plant Science from a dual degree program between USP and Ohio State. He has worked for a global agriculture company for 18 years to lead new product development and mid-long term product strategy.

Liane M. Rossi is a professor at the Institute of Chemistry. She has a Bachelor of Science in Chemical Engineering and a PhD in Chemistry. Her research interests in the field of chemistry and catalysis include novel approaches for the synthesis of supported metal nanoparticles with controlled size, morphology and surface properties, catalyst recovery and recycling, new reactivity patterns at metal-ligands interfaces, bimetallic and hybrid catalysts, and the concepts of green chemistry for selective transformations.

Federal University of Paraíba (UFPB)

UFPB is a federal public higher education institution located in the state of Paraíba. Its main campus is in João Pessoa. UFPB has other three campuses in Areia, Bananeiras and the North Coast (Rio Tinto and Mamanguape). It was founded in 1955 with agriculture as its first program. UFPB has 57 centers and departments, 108 graduate and professional programs and 123 undergraduate programs with over 39,000 students. [Learn more about CAPES PrInt at UFPB.](#)

General research interests and types of collaboration opportunities

- Areas of diversity: education, languages, mediation and cultural and public policies
- Biodiversity and sustainability
- Caatinga Biom
- Health interventions
- Products and processes
- Technologies

Speakers

Sandro Marden Torres is a professor of materials science and engineering at UFPB. Torres holds a PhD from the University of Sheffield, UK. Currently, Torres is involved with UFPB's CAPES PrInt theme "Caatinga Biome, Biodiversity and Sustainability" within the project "innovation in materials, products and processes associated with environmental conservation and sustainability."

Celso Oliveira is an associate Professor. He received his DVM and PhD in Veterinary Medicine from UNESP. He conducted postdoctoral research at the University of Illinois at Urbana-Champaign as a CAPES PrInt fellow in genomics and bioinformatics with a focus on the microbiome of food for animals. He is a member and co-founder of the Global One Health initiative at Ohio State.