



# Brazil



## Highlights

UGA is home to the nation's first and only Undergraduate Flagship Program in Portuguese language studies. The Language Flagship is a major initiative of the National Security Education Program (NSEP). The Universidade Federal de São João Del-Rei (UFSJ), in the Brazilian state of Minas Gerais, is UGA's host institution in Brazil for the Flagship Program.

The Minas Gerais state research funding agency, FAPEMIG, has partnered with UGA to fund a four-year, \$220k seed grant program targeting the development of new research lines. Eighteen proposals were received in Q1, 2017 for potential funding, with four being selected. A similar MoU has been executed with the state funding agency of São Paulo, FAPESP.

For over a decade, UGA faculty studying infectious diseases have collaborated with Brazil's Fiocruz foundation (the Brazilian version of the NIH) and its René Rachou Research Center in the state of Minas Gerais. This research has been supported by both U.S. and Brazilian funding sources.

## January 2018

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Active Partnerships

19



Joint Publications

485



UGA Students Abroad

24

Visiting Scholars

44



UGA Faculty Visits

81



International Students

52



## UGA Education Abroad in Brazil

During the 2016-2017 academic year, 24 UGA students studied in Brazil through various faculty-led study abroad programs and reciprocal student exchanges. UGA's current programs in Brazil include:

<b>Program</b>	<b>City/Destination</b>	<b>Focus</b>
Portuguese Flagship, Universidade Federal de São João Del-Rei	Minas Gerais	Student Exchange, Internship
Sustainable Natural Resource Management	Varies by year	Study Abroad
Universidade do Vale do Rio dos Sinos (Unisinos) Exchange	Rio Grande do Sul	Student Exchange
Universidade Estadual Paulista	São Paulo	Student Exchange
Universidade Federal de Viçosa Exchange	Viçosa	Student Exchange

### Portuguese Flagship Program

Notable among UGA's engagement with Brazil has been the establishment and implementation of the nation's first and only Undergraduate Flagship Program in Portuguese language studies. The Flagship Program is a major initiative of the National Security Education Program (NSEP), which is administered by the Institute for International Education (IIE). NSEP was created by Congress in 1991 to increase the ability of U.S. citizens to communicate and compete globally by knowing languages and cultures of other countries.

The Portuguese Flagship Program includes one full academic year overseas, where students first engage in coursework by enrolling in a Brazilian university. They then participate in a semester-long internship or other professional experiential activity. The Universidade Federal de São João Del-Rei (UFSJ) is UGA's host institution in Brazil for the Flagship. In 2016, the program funding was renewed for an additional four years.

### Institutional Collaboration

Brazil is home to more UGA formal institutional partnerships than any other country (listed on the following pages). Partnerships range from academic institutions to funding agencies and government research laboratories.

<b>Institution</b>	<b>City</b>	<b>Focus</b>
Centro de Pesquisas René Rachou – Fundação Oswaldo Cruz	Belo Horizonte	Collaborative research and training in bioinformatics
Centro Nacional de Pesquisa em Energia e Materiales	Campinas	Collaborative research on bioenergy and biochemical production
Universidade do Vale do Rio dos Sinos (Unisinos)	São Leopoldo	Student exchange; natural resource management
Universidade Estadual do Norte Fluminense	Campo dos Goytacazes	Collaborative research on carbon and nutrient recycling in the Amazon River plume
Universidade Estadual Paulista	São Paulo	Collaborative research in applied linguistics and foreign language acquisition via Teletandem program
Universidade Estadual Vale do Acaraú	Sobral	Collaborative research in agronomy, veterinary science, and rural development
Universidade Federal de Goiás	Goiânia	Collaborative research in veterinary medicine
Universidade Federal de Mato Grosso do Sul	Campo Grande	Collaborative research in veterinary medicine
Universidade Federal de Minas Gerais	Belo Horizonte	Collaborative research in simulational physics, tropical and emerging global diseases, infectious diseases, and linguistics
Universidade Federal de Santa Maria	Santa Maria	Student mobility in music and the arts; internships and collaborative training in veterinary medicine and livestock management
Universidade Federal de São João Del-Rei	São João Del-Rei	Collaborative studies in Portuguese language pedagogy and Brazilian literature; host for Portuguese Flagship Program
Universidade Federal de Viçosa	Viçosa	Student exchange; collaborative research on economic valuation of forest ecosystem services
Universidade Federal do Rio de Janeiro	Rio de Janeiro	Collaborative research on carbon and nutrient recycling in the Amazon River plume

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<b>Institution</b>	<b>City</b>	<b>Focus</b>
Universidade Federal Rural da Amazônia	Belem	Collaborative agroforestry research; internships
Fundação de Amparo à Pesquisa do Estado Minas Gerais	Minas Gerais	Creation of defined funding mechanisms to support collaborative research between UGA faculty and Brazilian colleagues in Minas Gerais
Fundação de Amparo à Pesquisa do Estado de São Paulo	São Paulo	Support for joint research involving UGA faculty and their colleagues in São Paulo state
Universidade de São Paulo	São Paulo	Collaborative research on Zika, biofuels, and language
Universidade Estadual do Maranhão	São Luís	Collaborative research on agricultural extension and water resources management
Universidade Federal de Alfenas	Alfenas	Collaborative research on vaccines for emerging infectious diseases
Universidade Federal do Ouro Preto	Ouro Preto	Collaborative research on soil anchors for bridges and other structures
Universidade Federal do Rio Grande	Rio Grande	Collaborative research on the biogeochemistry of coastal and continental shelf systems and the impact of costal circulation systems
Universidade Federal do Rio Grande do Norte	Natal	Collaborative research and student/faculty mobility
Universidade Federal dos Vales do Jequitinhonha e Mucuri	Diamantina	Collaborative research on innovative, non-thermal food processing technologies

## Joint Publication Data

Between 2007 and 2017, UGA faculty collaborated with colleagues in Brazil to jointly publish over 485 scholarly articles. Top areas of cooperation during this period included: Biochemistry and Molecular Biology, Genetics and Heredity, Ecology, and Plant Sciences. Top collaborating institutions in Brazil during this period included Universidade de São Paulo, Universidade Federal de Minas Gerais, the Universidade de Brasília, and the Universidade Federal de Mato Grosso do Sul.

## UGA-FAPEMIG Seed Grant Program

Supporting the extensive collaboration that has developed between UGA faculty and colleagues in the Brazilian state of Minas Gerais over the past two decades, the Minas Gerais state research funding agency, FAPEMIG, has partnered with the UGA Office of Research to fund a four-year, \$220k seed grant program targeting the development of new research lines. 18 proposals were received in Q1, 2017 for potential funding, and the following four were awarded initial grants of \$15k each:

<b>Title</b>	<b>UGA PI</b>	<b>UGA Unit</b>	<b>Partner</b>
Language Documentation and Cultural and Linguistic Cooperation with the Tenetehara Communities	Chamorro Fernandez	Department of Romance Languages and Program in Linguistics	Universidade Federal de Minas Gerais
Development of New Molecular Tools for Leishmaniasis and Chagas Disease Research	Docampo	CTEGD	Universidade Federal de Minas Gerais
Natural Fiber Reinforced Micro-concrete for Resilient and Sustainable Construction	Kim	College of Engineering	Universidade Federal de São João
The Effect of Environmental Temperature on the Mosquito-Zika Interaction	Murdock	Department of Infectious Diseases, Odum School of Ecology	Universidade Federal de Viçosa
Pathology and Etiology of Viral Enteritis in Naturally Infected Broiler Chickens	Stanton	Veterinary Pathology	Universidade Federal de Minas Gerais