Global Partnership Engagement
- Brazil

COLLEGE OF AGRICULTURE & LIFE SCIENCES

Strategic Priority for Collaboration
The College of Agriculture and Life Sciences has identified Brazil as a country of strategic priority for collaborations. We have significant program exchange in 11 of our 14 departments including 4 study abroad programs, 3 faculty sabbaticals, 2 visiting Brazilian scholars, 12 Brazilian graduate students and many collaborative research projects. While we have collaborations with several institutions, we have specific agreements and focused engagement with five universities (Federal Rural University of Pernambuco, University of Vicsa, University of Campinas, University of Manaus and University of Merina) as well as the Brazilian federal agencies EMBRAPA and CAPES.

COLLEGE OF GEOSCIENCES

Memoranda of Understanding & Collaboration
The College of Geosciences has several areas of interaction with Brazil as follows:
- A formal MOA with Federal University of Pernambuco
- A pending approval a MOA with the university of Sao Paulo ASAP

Both of these efforts are a follow up to the Brazil-TAMU Science and Education Internationalization Geoscience meeting hosted by USP, TAMU, and UFP in Porto de Galinhas in 2012.

Research areas for development are the earth sciences: Sustainable coastlines, Continental margin baselines, Resources, water, climate, and ocean observing.

Industry and Non-profit relationships are being formed with leaders and faculty collaborators in Brazil.

COLLEGE OF VETERINARY MEDICINE & BIOMEDICAL SCIENCES

Faculty Engagement & Professional Partnerships
The College of Veterinary Medicine & Biomedical Sciences reports that four faculty currently have four graduate students from Brazil, while eight faculty report having sponsored ten visiting students, and eight faculty have sponsored twelve visiting scholars. Six faculty members report collaborating with ten Brazilian colleagues (five resulting in grants) and four faculty members report publications, textbooks or textbook chapters with Brazilian colleagues. Two faculty members are currently editors or reviewers for Brazilian veterinary journals, and one faculty is a member of the Brazilian College of Veterinary Pathologists. The College of Veterinary Medicine & Biomedical Sciences currently enjoys a rich association and a long-standing record of collaboration with Brazil.

Attached Chart and Faculty Comments provide further evidence of partnerships.
## College of Veterinary Medicine & Biomedical Sciences

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Dept.</th>
<th>Graduate Students</th>
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<td>Cristiano</td>
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<td>1 Breanna Breaux is a graduate student in my lab and is going to go work in Leo's lab in Brazil next year. 1 Pamela in Leo's lab is coming to mine. We are going to learn a lot about manatee population genetics, MHC diversity and antigen receptor diversification.</td>
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<td>Edwards</td>
<td>VTPB</td>
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<td>1 Fasciculae Grant with Doctor, Professor de Patologia Veterinaria, Instituto Federal Catarinense, Concordia</td>
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<td>1 two chapters Male and Female Reproduction Pathology with Drs Renato de Lima Santos and Ernane Fagundes do Nascimento in a book, <em>Patologia Veterinaria</em></td>
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<td>Mulenga</td>
<td>VTPB</td>
<td>1 – Rio de Janeiro</td>
<td>2 – 2010-2011</td>
<td>1 – Spring 2015 1 – post-doc</td>
<td>New training grant to train internationally - $5M</td>
<td>3 papers 1 upcoming paper</td>
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<td>Cohen</td>
<td>VLACS</td>
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<td>1 Dr. Leticia Grezler</td>
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<td>Griffen</td>
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<td>1 Dr. Pamela Samanta Germim</td>
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<td>Varner</td>
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<td>1 Dr. Juliana Duarte</td>
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<td>Eastwood</td>
<td>VLACS</td>
<td>1 Dr. Daniel Pedrosa</td>
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<td>Paules</td>
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<td>Suchodolski</td>
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<td>1 Eveline Semens Azenha Aidar, DVM student from UFLA - Universidade Federal de Lavras, Brazil, Performed a research exchange program from Fall semester 2012 through Spring Semester 2013</td>
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<td>Estevan - Gassent</td>
<td>VTPB</td>
<td>1 Luis Sansenbeno, an undergraduate student from Universidade de Maringá</td>
<td>1 Henrique Ortenço Filho is the professor. He visited in 2012. Universidade de Maringá</td>
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<tr>
<td>Rech</td>
<td>VTPB</td>
<td>1 – Paula Gareta - CAPES</td>
<td>1 Federal University of Mato Grosso do Sul summer programs in 2 Visit of two researchers from Embrapa Swine and Poultry (Dr. Helencio Mazzuco and Clarissa Vaz) in July, 2014</td>
<td>$6,000 Embrapa Avian infectious bronchitis 1 swine influenza 1 Federal Univ of Santa Maria Federal University of Santa Maria (Dr. Claudio Barros and Dr. Glauco Koomers) Network with chief state veterinarian in charge of swine health in Santa Catarina State (Dr. Jader Nones)</td>
<td>1 Necropsy book for wild boars</td>
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<td>1 Brazilian College of Veterinary Pathologists</td>
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*Note: The table includes information about visiting students, visiting scholars, collaborations, grants, publications, and any roles or contributions the faculty members have made in their respective fields.*
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<td>1. Roney Ramos University of Sao Paulo from July 2013 to June 2014 He is a DVM and PhD candidate. He mainly collaborated in the field activities of our NIFA supported project “Genomic Selection for Improved Fertility of Dairy Cows with Emphasis on Cyclicity and Pregnancy”.</td>
<td>1. Roney Ramos University of Sao Paulo&lt;br&gt;1. Julianne Naves, University of Sao Paulo&lt;br&gt;1. Julianne Naves University of Sao Paulo&lt;br&gt;1. Julianne Naves University of Sao Paulo</td>
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<td>deFigueiredo</td>
<td>VTPB</td>
<td>1. Auncelho – PhD – CAPES</td>
<td>1 Anna Patricia – CAPES visiting student. Under the auspices of a CAPES award, Tom Ficht, Allison Ribeiro Ficht and I will be hosting two trainees from Brazil for a one year stay starting in Jan 2015</td>
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<td>Rodrigues</td>
<td>VTPB</td>
<td>1. Jean Leal – PhD</td>
<td>1 hosted on Brazilian PostDoc, Felipe Perezan who is now a faculty at Universidade Federal de Minas Gerais, one of the best Vet Schools in the country. 1. Hosted Brazilian graduate student for one month in my lab and helped several other students and faculty identify mentors and labs in the College</td>
<td>2. Collaborations are with:&lt;br&gt; Universidade Federal de Minas Gerais, Universidade Federal de Campina Grande&lt;br&gt; Universidade Federal de Santa Maria</td>
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| Carroll | VSCS |                   |                  |                  |                     |             | 1. Was Editor for Portuguese textbook for publication in Brazil: Carroll GL. Anestesia e Analgesia de Pequenos Animais (traduzido por Cid Figueiredo). Barueri, SP: Manole, 2012.  
| Brightsmith | VTPB |                   |                  |                  |                     |             | I have a number of collaborators in Brazil, but none have been active in the last 3 years. | | |
|         |      |                   |                  |                  |                     |             | 4 | 10 | 12 | 10 | 12 | 3 | 1 |
College of Veterinary Medicine & Biomedical Sciences

John Edwards
Professor
Department of Veterinary Pathobiology

I am on a Fascioliasis Grant with Doctor, Professor de Patologia Veterinária, Instituto Federal Catarinense, Concórdia, SC, Brasil. ricardo.mendes@ifc-concordia.edu.br. I consult with him on cases and we have one paper in press and we are working on a second now.


Dr Santos got his PhD with Dr Garry Adams 
Dr Mendes visited us 4 years ago

Loles Esteve-Gassent
Assistant Professor
Department of Veterinary Pathobiology

I hosted Lais Sanseberino, an undergraduate student from Universidade de Maringá. I collaborate with them in terms of Borrelia species in bats. Henrique Ortencio Filho is the professor. He visited in 2012. I have no funding with them yet, but hopefully sometime in the near future.

Pablo Pinedo
Assistant Professor-Joint Appointment
Department of Veterinary Pathobiology

I had a visiting scholar from Brazil from July 2013 to June 2014 (Dr. Roney Ramos). He is a DVM and PhD candidate in the University of Sao Paulo CVM. He mainly collaborated in the field activities of our NIFA supported project “Genomic Selection for Improved Fertility of Dairy Cows with Emphases on Cyclicity and Pregnancy”

Currently, I have another visiting scholar from Brazil (Julianne Naves) who is also a DVM and PhD candidate in the University of Sao Paulo CVM. She arrived on July 2014 and is leaving in the end of November 2014. She has been collaborating on the study “Administration of oral calcium in cows diagnosed with metritis: Effects on cure and subsequent incidence of peripartal health disorders”.

<http://dept.vet.purdue.edu/Internationale/1InternationalAdvisoryBoardMeeting/2014CVMCompiledFacultyComments>
Albert Mulenga
Associate Professor
Department of Veterinary Pathobiology

I current PhD student from Rio de Janeiro, 2 students visited 2010-2011, 1 collaborator to visit Spring 2015, 1 post-doc on a fellowship provided by Brazilian government. I visit Brazil 30 days each year with Science without Borders. I have 3 publications with collaborators in Brazil, a fourth is coming out soon and we are working on a fifth. I am part of a new training grant for $5M which will be to train internationally. My next visit will be to Sao Paulo, Rio de Janeiro, Port Allegra and Rio Grande.

Raquel Rech
Clinical Assistant Professor
Department of Veterinary Pathobiology

My connections with Brazil now are:
Member of Brazilian College of Veterinary Pathologists (CBPV)

Associate editor of Pesquisa Veterinaria Brasileira (this journal has been established since 1981 and publishes original studies in diseases mostly related to production animals. Few citations of the articles are in Jubb, Kennedy) http://www.pvb.com.br/index.php?link=expediente

Reviewer for other Brazilian veterinary journal

Facilitator – technical visit of two researchers from Embrapa Swine and Poultry (Dr. Helenice Mazzuco and Clarissa Vaz) in July, 2014 – they visited Poultry Science, few professors of VTPB and TVMDL.

Research collaboration with Embrapa Swine and Poultry in reproductive biology (Dr. Mariana Marques – they are transferring US$ 6,000.00 to perform the work in our lab), swine influenza (Dr. Rejane Schaefer) and avian infectious bronchitis (Dr. Cintia Okino - we just finished a handbook on avian infectious bronchitis that will be published in English, Spanish and Turkish).

I also have connections with Federal University of Santa Maria (Dr. Claudio Barros and Dr. Glaucia Koomers) – one of the master students from UFSM applied for a fellowship of Science without Borders - CAPES (Paula Giaretta) to pursue a PhD here at TAMU next year (results will be announced in December), State University of Santa Catarina (Dr. Aury Nunes, Dr. Celso Pilati and Dr. Renata Casagrande), Federal University of Mato Grosso do Sul (Dr. Ricardo Lemos – he is working in an international collaboration to bring professors for summer programs there).

Network with chief state veterinarian in charge of swine health in Santa Catarina State (Dr. Jader Nones). He invited for a meeting this coming November… due to teaching/duties requirements I will not be able to attend. I just published a necropsy book for wild boars (the work from Embrapa) and the state veterinarians are very interested on using that book as a guide in the field, including Portugal.
Aline Rodrigues-Hoffman
Assistant Professor
Department of Veterinary Pathobiology

I hosted on Brazilian Pos-doc, Felipe Pierezan who is now a faculty at Universidade Federal de Minas Gerais, one of the best Vet Schools in the country. We also have Jeann Leal, who is a PhD student on a CAPES fellowship. I have also hosted another Brazilian graduate student for one month in my lab and helped several other students and faculty identify mentors and labs in the College. My main collaborations are with Universidade Federal de Minas Gerais, Universidade Federal de Campina Grande and Universidade Federal de Santa Maria. I continue in contact with former colleagues and mentors, and I often revise manuscripts for a few Brazilian Veterinary Journals.

Paul Defigueiredo
Associate Professor
Department of Veterinary Pathobiology – Joint Appointment

Under the auspice of a CAPES award, Tom Ficht, Allison Rice-Ficht and I will be hosting two trainees from Brazil for a one year stay starting in Jan 2015.

One trainee will (Ana Patricia) will work as a postdoc. The other trainee (Auricelio) will train as a PhD student (with a scholarship that is called "sandwich" - which means he is formally registered at UFMG, Brazil, but does part of his experimental work abroad). Travelling costs, health insurance, and stipends are paid by CAPES.

Jan Suchodolski
Clinical Associate Professor
Department of Small Animal Clinical Sciences

Eveline Simões Azenha Aidar, DVM student from UFLA - Universidade Federal de Lavras, Brazil, performed a research exchange program from Fall semester 2012 through Spring Semester 2013.

Felipe Pierezan, DVM (Medicina Veterinária da UFSC, Brazil) – psotdctoral studies at TAMU 2013-2014; co-supervisor with Dr Aline Rodriguez (VTPB)
Gwendolyn Carroll  
Professor  
Department of Small Animal Clinical Sciences  

Was Editor for Portuguese textbook for publication in Brazil: Carroll GL: Anestesia e Analgesia de Pequenos Animais (traduadizio por Cid Figueiredo). Barueri,SP: Manole, 2012.

Was Contributor for 6 chapters to Portuguese textbook for publication in Brazil:


Gwendolyn Light Carroll MS, DVM, Diplomate ACVAA, Diplomate ACAW, Distinguished Practitioner NAP, Certified IVAS, Professor, 979/845-2351


Jill Heatley  
Associate Professor  
Department of Small Animal Clinical Sciences  

We have one grad student Jeann leal araujo looking at avian borna virus pathogenesis
Dr. Gressler is not scheduled to be here until January 2015.

Michael Criscitiello  
Associate Professor  
Department of Veterinary Pathobiology

The collaboration is early. Breanna Breaux is a graduate student in my lab and is going to go work in Leo’s lab in Brazil next year and Pamela in Leo’s lab is coming to mine. We are going to learn a lot about manatee population genetics, MHC diversity and antigen receptor diversification.

Donald Brightsmith  
Assistant Professor  
Department of Veterinary Pathobiology

I have a number of collaborators in Brazil, but none have been active in the last 3 years.
MAYS SCHOOL OF BUSINESS

Innovation Fund for Global Education Project

Project: Conducting Business in Emerging Markets - The case of Brazil
- Funded by 2013 Innovation Fund for Global Education – Vice Provost

Faculty Member: Dr. Julian Gaspar, Clinical Professor of Finance & Executive Director, Center for International Business Studies, Mays Business School.

Objective: The goal of the proposal is to reinforce the course on BRIC (Brazil, Russia, India and China) that we currently offer at Mays Business School with a deep, in-country study of Brazil. The demographic and economic fundamentals of BRIC clearly project that the 21st century will see the beginning of an era driven by BRIC. While Mays Business School has solid overseas study programs in Russia, India and China, we have none in Brazil --Latin America’s largest economy.

The Project: I visited the following two universities in Brazil and one in Argentina in March 2014 to establish academic programs for undergraduate business student in Latin America’s southern cone.

1) Fundacao Getulio Vargas – EBAPE (Brazilian School of Business and Public Administration) in Rio de Janeiro; and UNISINOS (Universidade do Vale do Rio Dos Sinos) in Porto Alegre, Brazil.
2) Universidad del Salvador (USAL) in Buenos Aires, Argentina.

MOUs and MOAs with (1) FGV-EBAPE in Rio de Janeiro, Brazil, and (2) USAL in Buenos Aires, Argentina have been negotiated and will be signed by the end of August 2014 that will enable Mays business majors to participate in reciprocal exchange and faculty-led study abroad programs to those two countries commencing in AY 2015-16. Progress with UNISINOS is slow because of academic calendar and course issues that are being resolved.

"Conducting Business in Emerging Markets – The case of Argentina and Brazil" meets the criteria set by the committee evaluating the "2013 Innovation Fund for Global Education" as follows:

Innovation: The project is ground-breaking since agreements with FGV-EBAPE and USAL provides Mays Business School with our first venture in Latin America and the Southern Cone, a region of immense strategic business importance to the United States as China makes deep inroads in those emerging economies. The partnership with FGV-EBAPE and USAL neatly align with our BRIC course as they provide Mays students with a deeper understanding of Argentina and Brazil business, culture and geo-politics.

Faculty Involvement: Faculty-led study abroad programs are an integral part of those two agreements to be signed with FGV-EBAPE and USAL. Two 2-week winter faculty-led study abroad programs are planned to take place starting in AY 2015/16 with a group of 20 undergraduate/graduate students each to Brazil and Argentina under the agreement. This will increase the existing pool of Mays faculty that are able and willing to conduct faculty-led overseas study programs.

Potential for Sustainability: The Argentina and Brazil programs will be self-sustaining and will be based on program fees collected from students --similar to other faculty-led study abroad programs that are conducted by Mays Business School. The Center for International Business Studies (CIBS) has successfully designed, implemented, and institutionalized numerous faculty-led study abroad programs over the past 25 years and will not be a stranger in institutionalizing the Argentina and Brazil study abroad and student exchange programs. CIBS has the knowledge, expertise, and infrastructure to develop and execute cost-effective study abroad programs that make it affordable for any student that is willing to participate in overseas study programs. Given Mays Dean’s support –in the form of scholarships/program-subsidy, it is our intention to see that no Mays student is left behind in their quest to seek global learning.

Impact: When both the Argentina and Brazil programs become operational in AY 2015-16 we anticipate at least two students each spending a semester as exchange program students with USAL and FGV-EBAPE. In addition, we anticipate some 20 students each to participate in faculty-led study abroad programs to Argentina and Brazil. Those two programs will be promoted by CIBS Program Coordinator via social media, our center website, college bulletin boards, faculty member presentations in targeted classes, and through Mays system of academic advisors.
DWIGHT LOOK COLLEGE OF ENGINEERING

TAMU/Brazil Research Workshops
- Brazil Research Workshop Spring 2013: Outcomes were enhanced presence of Texas A&M in Brazil, more Brazilian students coming to TAMU, and joint research proposals submitted - At TAMU Feb 2013: Brazilians visited our labs, made presentations about their research and developed relationships - At UNICAMP March 2013: TAMU traveled to UNICAMP visited labs, made 12 presentations about their research and developed relationship
- Education Workshop at PUC September 2013: Focus on Challenges and opportunities of engineering education in the USA and Brazil
- One of the 4 US universities invited to participate and lead a discussion table on the Brazil USA Innovation Summit on September 2013

Science Without Borders Numbers
- Full PhD: Fall 2014 - application for full PhD with enrolled students 133
- Professional Master – application for Fall 2014 with enrolled students 2319
- Non-degree seeking undergrads: About Brazilian students from each semester to TAMU 5 under this program
- Research undergrad: About students each semester/summer come to TAMU under this program
- Research PhD: About PhD Brazilian students from each semester to TAMU for 1 year 8-10 under this program
- Received grants of Special Visiting Researcher: TAMU faculty funded to collaborate in 6 research or training programs in Brazil: Drs. Reddy, Sanchez Martinez, Oliveira, Talreja, Bhattacharyya, Girimaji

UFRJ-TAMU Student Internship Exchange with FMC since 2011
- students from UFRJ have participates in the program (8)
- students from TAMU have participated in the program (3)
- Working with UFRJ and FMC to improve the program

TAMU CAPES Joint Research Grant
- First call for proposal was launched on November 5, 2013 proposals from engineering were submitted on the first call 15

TEES Center in Brazil
- On September 2013 the agreement for a TEES Center in Brazil was signed with COPPETEC (Federal University of Rio de Janeiro)
- In August 2014 TEES Brazil was inaugurated with a workshop in Rio de Janeiro

Smart Grid Center in Brazil
- Drs. Singh and Kezunovic visited to Brazil in November 2013
- Brazilian attended the Smart Grid workshop in April 2014 6

Study Abroad
- During Summer 2013 and 2014 COE had 5 faculty lead study abroad programs in Brazil with students and students participating respectively