

, CURRICULUM VITAE
Gregory A. Johnson, Ph.D.

October, 2021

PRESENT POSITION AND ADDRESS:

Title: Professor, EDGES Fellow
Department: Veterinary Integrative Biosciences
Adjunct Faculty: Animal Science
Office: 179 New Addition of Vet. Res. Bldg.
Phone: 979-845-7249
FAX: 979-847-8981
Email: gjohnson@cvm.tamu.edu

EDUCATION:

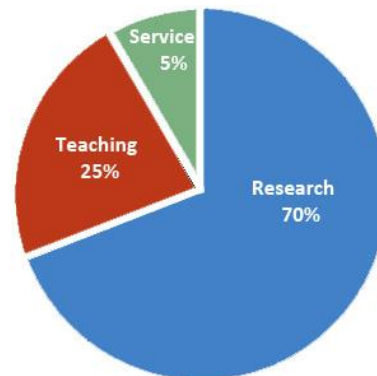
<u>Degree/Training</u>	<u>Conferring Institution</u>	<u>Field</u>	<u>Year</u>
Postdoctoral	Texas A&M University	Reproductive Biology	1997-2000
Ph.D.	University of Wyoming	Reproductive Biology	1997
M.S.	University of Wyoming	Microbiology	1988
B.S.	University of Wyoming	Zoology	1984

DIVISION OF TIME IN APPOINTMENT:

RESEARCH – 70%

TEACHING – 25%

SERVICE – 5%



PROFESSIONAL EXPERIENCE AND ACADEMIC APPOINTMENTS:

2020 – Present	EDGES Fellow, Texas A&M University
2017 – Present	Adjunct Faculty Department of Animal Science, Texas A&M University (TAMU)
2014 – Present	Professor, Department of Veterinary Integrative Biosciences, Texas A&M University (TAMU)
2008 - 2014	Associate Professor, Department of Veterinary Integrative Biosciences, Texas A&M University (TAMU)
2002 - 2008	Assistant Professor, Department of Veterinary Integrative Biosciences, Texas A&M University (TAMU)

2000 - 2002 Assistant Professor, Department of Animal and Veterinary Science, University of Idaho, Moscow, Idaho
1997 - 2001 Assistant Research Scientist, Texas Agricultural Experiment Station, College Station, TX
1988 - 1995 Research Associate II, Department of Animal Science, College of Agriculture, University of Wyoming

AWARDS AND HONORS:

Invited Keynote Speaker, 26th Annual Dr. Raymond O. Berry Memorial Lecture in Reproductive Immunology, Interdisciplinary Faculty of Reproduction, Texas A&M University, 2021.

Phi Kappa Phi Honor Society, 2021

Chancellor's Research Initiative "EDGES" Fellowship Award, Enhancing Development and Generating Excellence in Scholarship Program, 2020

AFS University Level Distinguished Achievement Research Award, 2020

D.H. Barron Lecturer, D.H Barron Reproductive and Perinatal Biology Research Program, University of Florida, 2019

Excellence in Reviewing, outstanding contribution to the quality of the Journal Placenta, 2016

Elected to the *Board of Directors* for the *Society for the Study of Reproduction*, 2016

School of Veterinary Medicine Honors Convocation Faculty Award for Research: Outstanding Mentor for Graduate Students and/or Postdoctoral Research Associates, 2016

School of Veterinary Medicine Honors Convocation Faculty Award for Research: Outstanding Mentor for Graduate Students and/or Postdoctoral Research Associates, 2014

AFS College-Level Distinguished Achievement Teaching Award, 2013

Gamma Sigma Delta Award of Merit Teaching, 2012

Vice Chancellor's Award in Excellence for Diversity for the Bridges to the Doctorate in Reproductive Biology Leadership Team, 2011.

Vice Chancellor's Award in Excellence for Team Research in Uterine Biology and Pregnancy, 2005.

Finalist, New Investigator Award, *Society for the Study of Reproduction*, 1997

Sigma Xi Honor Society

Gamma Sigma Delta Honor Society

Phi Beta Kappa Honor Society

EDITORIAL BOARDS:

Associate Editor, *Reproduction*, 2018-present

Editorial Board Member, *Placenta*, 2017- present

Editorial Board Member, *Domestic Animal Endocrinology*, 2014-present

Editorial Board Member, *Reproduction*, 2013-2018

Board of Reviewing Editors, *Biology of Reproduction*, 2013-2017

Board of Reviewing Editors, *Biology of Reproduction*, 2011-2012

Board of Reviewing Editors, *Biology of Reproduction*, 2009-2011

Board of Reviewing Editors, *Biology of Reproduction*, 2007-2009

Editorial Board Member, *Biology of Reproduction*, 2004

TEACHING EXPERIENCE:**Student Evaluations**

Histology	VIBS 343	VIBS 602
2005	4.51/5.0	
2006	4.75	4.97
2007	4.81	4.71
2008	4.99	4.47
2009	4.90	4.92
2010	4.86	4.60
2011	4.80	4.69
2012	4.75	4.93
2013	4.81	4.84
2014	4.78	4.85
2015	4.84	4.97
2017	4.81	4.97
2019	4.85	4.60

Undergraduate:

Course Title	Institution	Credit Hrs	% Course Taught	Contact Hrs	Semesters Taught
VIBS 343 Honors Histology	TAMU	4 Hrs	100 %	3 Hrs Lecture 3 Hrs Laboratory	Fall 2005, 2006, 2007
VIBS 343 Histology	TAMU	4 Hrs	100 %	3 Hrs Lecture/Week 3 Hrs	Fall 2008, 2009, 2010, 2011, 2012, 2013,

				Laboratory/Week	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
AVS 451 Endocrine Physiology	U of Idaho	4 Hrs	100%	4 Hrs Lecture/Week	Fall 2001
VIBS 489 Anatomy of Reproductive Systems	TAMU	3 Hrs	30%	8 Hrs Total Lecture 8 Hrs Total Laboratory	Spring 2013
VIBS 489 Biomedical Neuroendocrine & Endocrine Disorders	TAMU	3 Hrs	10%	6 Hrs Total Lecture	Fall 2007, 2008
VIBS 485 Directed Studies	TAMU	1-4 hrs (Variable)	100 %	NA	All Semesters 2003-2021

Graduate:

Course Title	Institution	Credit Hrs	% Course Taught/organized	Contact Hrs	Semesters Taught
VIBS 602 Histology	TAMU	4 Hrs	100 %	3 Hrs Lecture 3 Hrs Laboratory	Fall 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
ANSC 631 Advanced Reproductive Biology II	TAMU	4 Hrs	33 %	12 Hrs Total Lecture	Spring 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020
VTMI 662 Advanced Immunological Concepts, Repro-Immunol	TAMU	1 Hr	100%	15 Hrs Total Lecture	Fall 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019
Frontiers in	Marine	NA	50 %	3 Hrs Total	Summer

Reproduction "Placentation"	Biological Laboratory, Woods Hole			Lecture 3 Hrs Total Laboratory	2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
AVS 551 Endocrine Physiology	U of Idaho	4 Hrs	100%	4 Hrs Lecture/Week	Fall 2001
VIBS 609 Anatomy of Reproductive Systems	TAMU	3 Hrs	30%	8 Hrs Total Lecture 8 Hrs Total Laboratory	Spring 2013, 2015, 2017, 2019, 2021
ANSC/VTPP 654 Molecular Endocrinology	TAMU	3 Hrs	20 %	9 Hrs Total Lecture	Spring 2005, 2007
VIBS 489 Biomedical Neuroendocrine & Endocrine Disorders	TAMU	3 Hrs	10%	6 Hrs Total Lecture	Fall 2007, 2008
VTPP 653 Endocrinology	TAMU	3 Hrs	8%	4 Hrs Total Lecture	Fall 2008, 2010
VIBS 691 Graduate Research	TAMU	Variable	100 %	NA	All Semesters Fall 2002 to 2021
VIBS 685 Directed Studies	TAMU	2-4 Hrs/ Student	100 %	NA	All Semesters Summer 2011 to 2021
VMID 686 Scientific Ethics	TAMU	1 Hr	50% for 2017-18 100% for 2019-on	NA	Spring 2017, 2018, 2019, 2020, 2021

Professional:

NONE

Graduate Students:

Name	Degree	Institution	Major Advisor or Committee Member	Date of Completion
Haley Conley	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current

Dylan Long	Non-Thesis MS	TAMU, BIMS	Major	Current
Shelby Achille	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Paul McMurrey	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Isha Sharma	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Madelyn Spooner	Ph.D.	TAMU, BIMS, VIBS	Major Advisor	Current
Grace Wesson	M.S.	TAMU, BIMS, VIBS	Major Advisor	Current
Wenliang He	Ph.D.	TAMU, Animal Science	Committee Member	Current
Robyn Moses	Ph.D.	TAMU, Animal Science	Committee Member	Current
Joseph Pydyn	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Kimberley Lyle	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Mackenzie Dennis	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Cassandra Rivas	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Joseph Cain	M.S.	TAMU, BIMS, VIBS	Major Advisor	Current
Nirvay Sah	Ph.D.	TAMU, Animal Science	Committee Member	Current
Cassidy Mercier	Non-Thesis MS	TAMU, BIMS	Committee Member	Current
Brook Ellis	Non-Thesis MS	TAMU, BIMS	Major Advisor	Current
Dylan Pham	Ph.D.	TAMU, BIMS, VIBS	Committee Member	Current
Katherine Halloran	Ph.D.	TAMU, Animal Science	Committee Member	Current
Shengti Lee	Non-Thesis MS	TAMU, BIMS	Committee Member	Current
Nan Ni	Ph.D.	TAMU, BIMS, VIBS	Committee Member	Current
Jolecia Hardin	Non-Thesis MS	TAMU, BIMS	Committee Member	Current
Raine Lunde	Ph.D.	TAMU, BIMS, VTPP	Committee Member	Current
Jonathan Behlen	Ph.D.	TAMU, Toxicology	Committee	Current

			Member	
Avery Kramer	Ph.D	TAMU, BIMS, VIBS	Major Advisor	Current
Bryan McLendon	Ph.D	TAMU, BIMS, VIBS	Major Advisor	Current
Christian Mitchell	M.S.	TAMU, BIMS, VTPB	Committee Member	2021
Fei Yu	Ph.D.	TAMU, BIMS, VIBS	Committee Member	2021
Skylar Andrews	Non-Thesis MS	TAMU, BIMS	Major Advisor	2021
Erin Posey	Ph.D.	TAMU, Animal Science	Committee Member	2021
Meghan Mardashti	Non-Thesis MS	TAMU, BIMS	Committee Member	2021
Zachary Mclain	Non-Thesis MS	TAMU, BIMS	Committee Member	2021
Katie Timmins	Non-Thesis MS	TAMU, BIMS	Committee Member	2021
Ali Elenaway	Non-Thesis MS	TAMU, BIMS	Committee Member	2021
Khoi Quach	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
Jacob Minter	Non-Thesis MS	TAMU, BIMS	Major Advisor	2020
Shaun Seidenberger	Non-Thesis MS	TAMU, BIMS	Major Advisor	2020
Sehar Jewanee	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
Cole Randolph	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
Kathryn-Marie Cailing	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
Chloe Bening	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
Robyn Moses	M.S.	TAMU, Animal Science	Committee Member	2020
Xinyu LI	Ph.D.	TAMU, Animal Science	Committee Member	2020
Kathryn Stiglet	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
DeLayne Styra	Non-Thesis MS	TAMU, BIMS	Committee Member	2020
Shakirat Adetunji	Ph.D.	TAMU, BIMS, VTPP	Committee Member	2020

Jacob Peters	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Duraneisha Firmin	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Sichao Ji	M.S.	TAMU, Animal Science	Committee Member	2019
Pedro Fontes	Ph.D	TAMU, Animal Science	Committee Member	2019
Cody Lyons	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Hannah Foshee	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Cheyenne Pierce	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Donald Dennis	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Meggan Plyler	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Shandale Riley	Non-Thesis MS	TAMU, BIMS	Major Advisor	2019
Alexandra King	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Kelli Rothman	Non-Thesis MS	TAMU, BIMS	Major Advisor	2019
Daniel Jenkins	Non-Thesis MS	TAMU, BIMS	Committee Member	2019
Saqeeb Ali	Non-Thesis MS	TAMU, BIMS	Major Advisor	2018
Victoria Watts	Non-Thesis MS	TAMU, BIMS	Major Advisor	2018
Kamryn Pursell	Non-Thesis MS	TAMU, BIMS	Major Advisor	2018
Katherine Halloran	M.S.	TAMU, Animal Science	Committee Member	2018
Emily Townsend	M.S.	TAMU, Animal Science	Committee Member	2018
Cassandra Herring	M.S.	TAMU, Animal Science	Committee Member	2018
Cameron Beiseigel	Non-Thesis MS	TAMU, Math	Committee Member	2018
Travis Tarleton	Non-Thesis MS	TAMU, BIMS	Major Advisor	2018
Mary Shu	Ph.D.	TAMU, BIMS, VTPB	Committee Member	2018
Rana Eltahan	Ph.D.	TAMU, BIMS, VTPB	Committee	2018

			Member	
Ashley Wiggin	Non-Thesis MS	TAMU, BIMS	Committee Member	2018
Amanda Leal	Non-Thesis MS	TAMU, BIMS	Major Advisor	2018
Rowley Jones	Non-Thesis MS	TAMU, BIMS	Major Advisor	2017
Jessica Olivarez	Non-Thesis MS	TAMU, BIMS	Major Advisor	2017
Madison Fry	Non-Thesis MS	TAMU, BIMS	Major Advisor	2017
Yang Gao	Ph.D.	TAMU, BIMS, VIBS	Committee Member	2017
Saumia Thomas	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Christian Seua	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Zachary Richards	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Daniela Emery	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Alma Perez	Non-Thesis MS	TAMU, BIMS	Major Advisor	2017
Robert Cacal	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Shelby Cruz	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Andrew Nassralla	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Robyn Reed	Non-Thesis MS	TAMU, BIMS	Major Advisor	2017
Andrea Woods	Non-Thesis MS	TAMU, BIMS	Committee Member	2017
Erica Berra	Non-Thesis MS	TAMU, BIMS	Major Advisor	2017
Brandy Orr	Non-Thesis MS	TAMU, BIMS	Major Advisor	2016
Caroline Costello	Non-Thesis MS	TAMU, BIMS	Major Advisor	2016
Pedram Kajeh	Non-Thesis MS	TAMU, BIMS	Committee Member	2016
Scott Campbell	M.S.	TAMU, BIMS, VTPP	Committee Member	2016
Jasmin Bui	Non-Thesis MS	TAMU, BIMS	Committee Member	2016

Sudath Dahanayaka	M.S.	TAMU, Animal Science	Committee Member	2016
Jing Wu	Non-Thesis MS	TAMU, Animal Science	Committee Member	2016
Edwin McElroy	Non-Thesis MS	TAMU, BIMS	Major Advisor	2015
Lauren Tufts	Non-Thesis MS	TAMU, BIMS	Committee Member	2015
Xiaoqiu Wang	Ph.D.	TAMU, Animal Science	Committee Member	2015
Chelsie Steinhauser	Ph.D.	TAMU, BIMS, VIBS	Major Advisor	2015
Carson Doty	Non-Thesis MS	TAMU, BIMS	Major Advisor	2015
Melissa Hammett	Non-Thesis MS	TAMU, BIMS	Major Advisor	2015
James Frank	Ph.D	TAMU, BIMS, VIBS	Major Advisor	2015
Resa Rezaei	Ph.D	TAMU, Animal Science	Committee Member	2014
Cara Martin	Non-Thesis MS	TAMU, BIMS	Committee Member	2014
Michael Angus	Non-Thesis MS	TAMU, BIMS	Major Advisor	2014
Leeza Potosnak	Non-Thesis MS	TAMU, BIMS	Committee Member	2014
Hannah Del Curto	M.S.	TAMU, Animal Science	Committee Member	2014
Rodolfo Cardoso	Ph.D	TAMU, Animal Science	Committee Member	2014
Grace Chang	Non-Thesis MS	TAMU, BIMS	Major Advisor	2014
Austin Wheeler	Non-Thesis MS	TAMU, BIMS	Major Advisor	2013
Theodore Wing	M.S.	TAMU, BIMS, VIBS	Major Advisor	2013
Jonathan Hicks	Non-Thesis MS	TAMU, BIMS	Committee Member	2013
Andrew Naeger	Non-Thesis MS	TAMU, BIMS	Major Advisor	2013
Jehoon Lee	Ph.D.	TAMU, BIMS, VIBS	Committee Member	2013
Xilong Li	Ph.D.	TAMU, Animal Science	Committee Member	2011
Shih Chi Su	Ph.D.	TAMHSC, Molecular &	Committee	2011

		Cellular Medicine	Member	
Sarah black	Ph.D.	TAMU, Animal Science	Committee Member	2010
Jin Young Kim	Ph.D.	TAMU, Animal Science	Committee Member	2010
Rebecca Simmons	M.S.	TAMU, Animal Science	Committee Member	2009
Dana Massuto	Ph.D.	TAMU, BIMS, VIBS	Committee Member	2009
Shae Lewis	Ph.D.	TAMU, Animal Science	Committee Member	2009
Haijun Gao	Ph.D.	TAMU, Animal Science	Committee Member	2009
Margaret Joyce	Ph.D.	TAMU, BIMS, VIBS	Major Advisor	2008
Jennifer Farmer	Ph.D.	TAMU, Animal Science	Committee Member	2008
M. Carey Satterfield	Ph.D.	TAMU, Animal Science	Committee Member	2008
Atrayee Banerjee	Ph.D.	TAMU, BIMS, VTPP	Committee Member	2007
Robert Ramos	Non-Thesis M.S.	TAMU, BIMS	Committee Member	2007
Hyo Won Ahn	M.S.	TAMU, Animal Science	Committee Member	2007
Saeed Al-Ramadan	Ph.D.	TAMU, BIMS, VIBS	Committee Member	2007
Gwonhwa Song	Ph.D.	TAMU, Animal Science	Committee Member	2007
Stephanie Schoel	Non-Thesis M.S.	TAMU, BIMS	Major Advisor	2007
Katherine Dunlap	Ph.D.	TAMU, Animal Science	Committee Member	2006
Seokwoon Kim	M.S.	TAMU, Animal Science	Committee Member	2005
Allison Grey	Ph.D.	TAMU, Animal Science	Committee Member	2005
Kiran Kodali	M.S.	U of Idaho, Animal Science	Committee Member	2002
Staey Sinor	M.S.	U of Idaho, Animal Science	Committee Member	2002
Stephanie Yankee	M.S.	U of Idaho, Animal Science	Committee Member	2001

Visiting Graduate Students:

Fang Chen, Peoples Republic of China, 2010-2011

Awards – Graduate Students:

Avery Kramer

- 2020, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting
- 2018, 2nd place Platform Presentation, 24th Annual Texas Forum for Reproductive Sciences, Houston, Texas

Bryan McLendon

- 2019, CVM Graduate Research Mini-Grant Award, College of Veterinary Medicine, Texas A&M University
- 2018, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting

Chelsie Burroughs

- 2015, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting
- 2015, 3rd place Platform Presentation, 21st Annual Texas Forum for Reproductive Sciences, Houston, Texas
- 2014, CVM Graduate Research Mini-Grant Award, College of Veterinary Medicine, Texas A&M University

James W. (Will) Frank

- 2013, 2nd place Platform Presentation, 19th Annual Texas Forum for Reproductive Sciences, Houston, Texas
- 2013, High Impact Achievement Recognition Award: Large Grant Recipient, College of Veterinary Medicine, Texas A&M University
- 2013, Travel Fellowship and Plenary Presentation, 9th International Conference on Pig Reproduction, Olsztyn, Poland
- 2012, NIFA Fellowship Grant, United States Department of Agriculture
- 2012, 1st place Platform Presentation, 18th Annual Texas Forum for Reproductive Sciences, Houston, Texas
- 2011, SSR Trainee Research Award Finalist – Poster Presentations, The Society for the Study of Reproduction Annual Meeting

Theodore Wing

- 2013, SSR Animal Reproduction in Agriculture Fellowship, United States Department of Agriculture
- 2013, SSR Trainee Research Award Finalist – Platform Presentations, The Society for the Study of Reproduction Annual Meeting
- 2012, CVM Graduate Research Mini-Grant Award, College of Veterinary Medicine, Texas A&M University

Margaret Joyce

- 2004, First Place Oral Presentation, Life Sciences Session Texas A&M University Student Research Week, Texas A&M University
- 2003, First Place Oral Presentation College of Veterinary Medicine Graduate Student Presentation Competition, Texas A&M University
- 2003, George Bush Presidential Library Foundation Grant , Texas A&M University

Postdoctoral Trainees and Their Awards:

Dr. Heewon Seo 2013-2018

- 2019, 3rd place Poster Presentation, 25th Annual Texas Forum for Reproductive Sciences, College Station, Texas
- 2016, SSR Trainee Research Award Finalist – Platform Presentations, The Society for the Study of Reproduction Annual Meeting
- 2016, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting
- 2015, CVM Postdoctoral Research Mini-Grant Award, College of Veterinary Medicine, Texas A&M University

Dr. Bryan G. White 2010-2012

- 2012, SSR Animal Reproduction in Agriculture Research Fellowship, United States Department of Agriculture
- 2011, NIH Travel Award for Early Career Researchers, International Federation of Placenta Associations Meeting, National Institutes of Health
- 2010, CVM postdoctoral Research Mini-Grant Award, College of Veterinary Medicine, Texas A&M University

Dr. David W. Erikson 2006-2010

- 2008, 1st place Platform Presentation, 14th Annual Texas Forum for Reproductive Sciences, Houston, Texas
- 2008, SSR Trainee Research Award Finalist – Platform Presentations, The Society for the Study of Reproduction Annual Meeting
- 2008, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting

Dr. Kathrin A. Dunlap 2006-2009

- 2009, 1st Place, Trainee Research Award, Poster Presentations, The Society for the Study of Reproduction Annual Meeting
- 2009, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting
- 2008, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting
- 2007, USDA CSREES NRI Trainee Grant, United States Department of Agriculture

Dr. Frank J. White 2004-2005

- 2005, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting

Awards – Undergraduate Students:

Daniel W. Bailey

- 2008, USDA CSREES NRI Merit Award, United States Department of Agriculture, The Society for the Study of Reproduction Annual Meeting

Undergraduate Non-Thesis Graduate and Veterinary Student Trainees:

Yaw Agyina, presently a VIBS student at Texas A&M University

Michael Angus, present position unknown

Andrea Argenal

Erin Black, presently in Veterinary School

Daniel Bailey, presently in Medical School, Bethesda Maryland

Cedrick Bates, presently faculty at Prairie View A&M University

Erika Berra, Veterinary School at Colorado State University

James Burghardt, presently graduated, Texas A&M University

Kathryn-Marie Cailing, currently a BIMS Non-Thesis MS student

Drew Carson, currently a BIMS Non-Thesis Masters student

Jennifer Castleberry

Grace Chang, presently a BIMS Non-Thesis M.S. student at Texas A&M University

Jorge DeLeone, presently a BIMS student at Texas A&M University

Carson Doty, currently BIMS non-thesis masters student

Samantha Dowell, presently a VIBS student at Texas A&M University

Lauren Ehle, currently BIMS undergraduate student

Brooke Ellis, currently a BIMS Non-Thesis MS student

Melanie Esnault, Undergraduate Student in Biology

James Frank, presently Ph.D. Student, VIBS, Texas A&M University

Jose Gonzalez, presently Private Dental Practice, Dallas TX

Schyler Greggs, current position unknown

Daniel Magana, BIMS non-thesis Graduate Student

Meghan Mardashti, currently a BIMS Non-Thesis MS student

Morgan Halverson, presently in Physician's Assistants School, Houston, TX

Melissa Hammett, currently a BIMS Non-Thesis Masters student

Karina Handoyo, presently Medical Student, UT Southwestern Medical School, Dallas, TX

Elizabeth Isaly, Undergraduate student in BMEM

Bradley Jacobs, currently a BIMS Non-Thesis MS student

Amy Jeffries, present position unknown

Isaac Johnson, Undergraduate Student in Nutrition

McKinsey Landers, Presently a BIMS undergraduate student

Amanda Leal, BIMS non-thesis Graduate Student

Megan Mardashti, Presently a BIMS non-thesis MS student, Texas A&M University

Alice McDonald, presently Undergraduate Student, Texas A&M University

Ryan McLain, presently in the Peace Corps, Sudan, Africa

Jason Muesse, presently Medical Student, Texas A&M Health Science Center

Jesus Muniz, presently RN, Surgery Unit St. Josephs Hospital, College Station, TX

Laura Murrell, presently a student at Texas A&M University

Louise Myatt, currently a BIMS undergraduate student

Andrew Naeger, presently a dental student at UT Houston

Bar Ngyen, presently Dental Student, University of Texas Health Science Center, San Antonio, TX

Jeannie Nguyen, presently Undergraduate Student, Texas A&M University
Griffity Obadan, presently a Undergraduate Student at Texas A&M University
Jessica Olivarez, BIMS non-thesis Graduate Student
Atish K. Patel, presently in Dental School, Texas
Ashritha Rao, BIMS non-thesis Graduate Student
Kristey Reed, present position unknown
John Graham Reed, present position unknown
Adele Reeder, moved on to be a Medical Student, Baylor College of Medicine, Houston, TX
Emily Richards, Undergraduate Student A&M
Justin Roark, present position unknown
Chelsea Spain, presently nonthesis masters student, Texas A&M University
Maxwell Su, presently a BIMS student at Texas A&M University
Jesse Supernaw, presently a BIMS student at Texas A&M University
J. Dale Taylor III, present position unknown
Mauricio Valdez, Undergraduate Student in BIMS
Austin Wheeler, presently a medical student at UT Houston

RESEARCH/SCHOLARLY ACTIVITIES:

Current Research Support:

7. USDA/AFRI, 2021, *Dietary requirements of hybrid striped bass for biosynthesizable amino acids*, G. Wu PI, G.A. Johnson Collaborator, 01/01/2021-012/31/2026, \$650,000 direct costs.
6. USDA/AFRI, 2021, *Nutraceutical modulation of placental growth and function*, M.C Satterfield PI, G.A. Johnson Co-I, FW Bazer Co-I, G. Wu Co-I, K.J. Bayless Co-I, 01/01/2022-12/31/2024, \$650,000 direct costs.
5. USDA/AFRI 2021, *Arginine and Creatine kinase: key roles in conceptus development*, F.W Bazer PI, G.A. Johnson Co-I, G. Wu Co-I, 01/01/2021-12/31/2026, \$650,000 direct costs.
4. USDA/AFRI 2021, *Metabolic adaptation of conceptuses to a hypoxic environment*, G.A. Johnson PI, F.W. Bazer Co-I, Heewon Seo Co-I, 01/01/2021-12/31/2026, \$650,000 direct costs.
3. Texas A&M Triads for Transformation 2021, *Chronological understanding of bovine conceptus development in early to mid-gestation*, K.G. Pohler PI, G.A. Johnson Co-I, D.W. Forrest Co-I.
2. USDA/AFRI 2019, *Glutaminolysis provides TCA cycle intermediates necessary for proliferation in the conceptus trophectoderm of pigs*, H. Seo PI, G.A. Johnson Co-I, F.W. Bazer Co-I, G. Wu Co-I, 6/01/20-5/31/23, \$500,000 direct costs.
1. USDA/AFRI 2017, *Roles of fructose and glucose in growth and development of ovine and porcine conceptuses*, F.W. Bazer PI, G.A. Johnson Co-I, G. Wu Co-I, 1/01/18-12/31/22, \$500,000 direct costs.

Pending Support:

3. USDA/AFRI 2021, *Paracrine and autocrine signaling between the conceptus and uterus in*

pigs, G.A. Johnson PI, F.W. Bazer Co-I, Heewon Seo Co-I, 01/01/2-21-12/31/2026, \$650,000 direct costs. (not funded, ranked medium priority)

2. NIH R01 2019, *Metabolic adaptation of conceptuses to a hypoxic environment*, G.A. Johnson PI, F.W. Bazer Co-PI, A. Fazleabas Co-I, 1/01/21-12/31/26, \$1,000,000 direct costs. (not funded, not fully reviewed)

1. AFRI Post-doctoral Fellowship, 2020, *Incorporation of endothelial progenitor cells into the placental vasculature*, AC Kramer PD, GA Johnson Mentor, 06/01/2021-05/31/2023, \$165,000 direct costs. (not funded, ranked low priority)

Previous Support:

26. USDA/AFRI 2015, *Arginine and secreted phosphoprotein 1 mediate cell signaling to enhance conceptus development and survival*, F.W. Bazer PI, G.A. Johnson Co-I, G. Wu Co-I, 3/01/16-2/28/21, \$460,000 direct costs.

25. USDA/AFRI 2015, *Paracrine and autocrine signaling between the conceptus and uterus in pigs*, G.A. Johnson PI, F.W. Bazer Co-I, 3/01/16-2/28/21, \$460,000 direct costs.

24. Texas A&M Triads for Transformation 2018, *Paternal contribution to placentation and pregnancy success*, K.G. Pohler PI, G.A. Johnson Co-I, D.W. Forrest Co-I.

23. USDA/AFRI 2014, *Regulation of water and ion transport by arginine in porcine conceptuses*, G. Wu, PI, F.W. Bazer, Co-I, G.A. Johnson Co-I, 1/01/15-12/31/18 – in no-cost extension, \$499,970 direct costs.

22. NIH-R21 2012, *Incorporation of Endothelial Progenitor Cells into the Placental Vasculature*, G.A. Johnson, PI, K.J. Bayless, PI, R.C. Burghardt, Co-I, 9/1/2012-8/31/16, \$275,000 direct costs

21. Tier One Program (TOP) Grant: Integration of Multidisciplinary and Creative Activities into the Learning Experience, *Enhancing Teaching and Research in Health Impacts of Air Pollution*, G.A. Johnson, R.C Burghardt, F.W. Bazer, M.C. Satterfield, R Zhang, A. Khalizov, Co-I's, 5/1/13-4/30/16, \$300,000 direct costs, \$300,000 matched by individual Departments (Veterinary Integrative Biosciences, Animal Science, Atmospheric Sciences).

20. USDA NRI 2010, *Arginine and Secreted Phosphoprotein 1 Mediate mTOR Cell Signaling for Conceptus Development and Survival*, F.W. Bazer, PI, G.A. Johnson, Co-PI, 12/1/10-11/30/14, \$500,000 direct costs.

19. CVM postdoctoral Research Mini-Grant Award 2015, *Rendometrial response to mechanical forces for development of uterine-placental folds in pigs*, H Seo, PI, G.A. Johnson Supervisor, 2/29/15-8/31/15, \$10,000 direct costs.

18. NIFA Fellowship Grant 2012 (Dr. James W. Frank trainee recipient), *Integrins $\alpha\beta3$ and $\alpha5\beta1$ receptors are necessary for proper implantation of the conceptus in sheep*. J.W. Frank, PI, G.A. Johnson, Mentor, 8/1/12-7/31/14, \$75,000 direct costs.

17. CVM Doctoral Research Mini-Grant Award 2014, *Development of an in vitro model system to investigate a novel function for osteopontin in ion transport by epithelia*, C Burroughs, PI, G.A. Johnson, Supervisor, 3/31/14-8/31/14, \$5,000 direct costs.

16. CVM Doctoral Research Mini-Grant Award 2014, *Development of an in vitro model system to investigate a novel function for osteopontin in ion transport by epithelia*, C Burroughs, PI, G.A. Johnson, Supervisor, XX/XX/14-8/31/14, \$5,000 direct costs.
15. USDA-NRI 2009, *Sphingosine 1-Phosphate Mediates Uterine Angiogenesis*, K. Bayless, PI, G.A. Johnson, Co-PI, 9/01/09–8/31/13, \$350,000 direct costs.
14. CVM Doctoral Research Mini-Grant Award 2012, *Elucidation of Intercellular Signals That Allow Endothelial Progenitor Cells (EPCs) to Incorporate Into Established Vasculature*, T. Wing, PI, G.A. Johnson and R.C. Burghardt, Supervisors, 3/1/12-9/1/12, \$5,000 direct costs.
13. CVM postdoctoral Research Mini-Grant Award 2010, *Role of Sphingosine-1Phosphate in Placentome Endothelial Cell Invasion*, B.G White, PI, G.A. Johnson and R.C. Burghardt Supervisors, 3/1/11-9/1/11, \$10,000 direct costs
12. USDA-NRI 2008, *Arginine Nutrition, Placental Angiogenesis, and Fetal Growth in Pigs*, G. Wu, PI, G.A. Johnson, Co-PI, 9/01/08–8/31/11, \$350,000 direct costs
11. USDA NRI 2006, *Nutrient and Osteopontin Sensing Via MTOR Cell Signaling for Ovine Conceptus Development and Survival*, F.W. Bazer, PI, G.A. Johnson, Co-PI, 08/01/06-07/31/10, \$360,000 direct costs
10. USDA NRI 2006, *Biological Function of Uterine Osteopontin in Porcine Implantation*, G.A. Johnson, PI, K.J. Bayless, Co-PI, 08/01/06-07/31/10, \$284,314 direct costs
9. USDA NRI 2008 (Dr Katie Dunlap, trainee recipient), *Mechanistic Analysis of Ovine Endometrial Angiogenesis During Pregnancy*, G.A. Johnson and K.J. Bayless, Co-PDs, 3/01/08-2/28/10, \$125,000 direct costs
8. Department of Veterinary Integrative Biosciences Pre-R01 Research Grant 2008, *Involvement of Sphingosine-1-Phosphate in Regulating Uterine Angiogenesis*, G.A. Johnson and K.J. Bayless, Co-PIs, 3/01/08 - 2/29/09. \$20,000 direct costs
7. Department of Veterinary Integrative Biosciences Pre-R01 Research Grant, *Secreted Phosphoprotein-1 (Osteopontin) Mediates Conceptus Attachment for Implantation*, G.A. Johnson, PI, 5/15/07 - 5/14/08. \$20,000 direct costs
6. Department of Veterinary Anatomy and Public Health Pre-R01 Research Grant, *Osteopontin Functions in the Mouse Uterus and Placenta*, 8/01/04-7/31/05, \$25,000 direct costs
5. NIH-CERH at Texas A&M Pilot Project, *Effects of Osteopontin on Conceptus Development and Implantation*, 6/01/04-5/30/05, \$25,000 direct costs
4. Collaborative Research Agreement Between USDA ARS, APHIS and the University of Idaho No: 58-5348-2-679, *Characterization of Ovine Placental Cell Lines Supporting PrP-Sc Propagation*, 6/1/02-6/1/03, \$50,000 direct costs
3. University of Idaho Research Council, *Stromal decidualization in the Pregnant Ovine Uterus*, 7/2/01-6/30/02, \$10,000 direct costs

2. NRSA Grant (DHHS/NIH #1-F32-HDO 8501-OIAI), *Osteopontin Affects the Periimplantation Uterus and Conceptus*, 5/01/99-4/30/02, \$83,160 direct costs

1. Lalor Foundation, *Osteopontin Affects Conceptus Elongation and Implantation*, 4/1/99-4/1/00, \$20,000 direct costs, Awarded/Not Accepted.

Invited Presentations, Symposia, Colloquia and Named Lectures

2022, Invited Speaker, *Metabolic Pathways in the Conceptus, Uterus and Placenta*, 11th International Conference on Pig Reproduction, Ghent, Belgium.

2021, Invited Speaker, Colorado State University Animal Reproduction & Biotechnology Laboratory Seminar series, title *Understanding the physiology of pregnancy by focusing on the uterine-placental interface of ruminant and pigs*X, Ft. Collins, Colorado.

2021, Invited Keynote Speaker, 26th Annual Dr. Raymond O. Berry Memorial Lecture in Reproductive Immunology, Interdisciplinary Faculty of Reproduction, Texas A&M University, *Using livestock to understand the immunology of pregnancy*, Prairie View A&M.

2021, Invited Speaker, Webinar in Emerging Topics in Reproduction, *Comparative placentation analysis in domestic livestock*, May 14.

2020, Invited Speaker, *Steroids regulate SLC2A1 and SLC2A3 to deliver glucose and fructose into trophoblast for metabolism via glycolysis*, Triennial Reproduction Symposium, American Society of Animal Science Annual Meeting

2019, Invited Speaker, *A controlled inflammatory environment supports restructuring of endometrium and placenta for implantation and placentation in pigs*, Hubei Key Laboratory of Animal Nutrition and Feed Science, Wuhan Polytechnic University, Wuhan, China

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2019, Invited Speaker, *A controlled inflammatory environment supports restructuring of endometrium and placenta for implantation and placentation in pigs*, Zhejiang Ocean University, Zhejiang, China.

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2019, D.H Barron Reproductive and Perinatal Biology Research Program, D.H. Barron Lecturer. *Metabolic and Histologic Adaptation to the Hypoxic Environment of Placentation in Pigs and Sheep*, University of Florida, Gainesville, FL.

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2018, Speaker, *NRI Animal Reproduction Annual Investigator Meeting*, New Orleans, LA.

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2018, Chair Session 2, International Symposium on Nutrition and Human Health, College Station, TX.

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2018, Invited Speaker *Cellular Events that Impact the Establishment of Pregnancy in Pigs and Sheep*, Gordon Research Conference on Mammalian Reproduction, Lucca (Barga), Italy.

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2018, Invited Speaker, *Cellular Events During Ovine Implantation and Impact for Gestation*, 10th International Ruminant Reproduction Symposium, Foz do Iguaçu, Brazil.

2018, Invited Speaker, *Cellular Events During Ovine Implantation and Impact for Gestation*, Interdisciplinary Faculty of Reproduction Seminar Series, Texas A&M University.

2017, Invited Speaker, *Concepts in Porcine and Ovine Placentation*, Department of Animal Science Seminar Series, Texas A&M University.

2017, Speaker, *NRI Animal Reproduction Annual Investigator Meeting*, Washington DC

2016, Invited Speaker, *Conceptus-uterine interactions in pigs and sheep*, Department of Physiology and Pharmacology Lecture Series, Texas A&M University.

2016, Keynote Speaker, *Molecular, cellular and physiological interactions between the placenta and uterus during sheep pregnancy*, Erdos, Inner Mongolia, China.

2015, Keynote Speaker, *Inflammatory cytokines osteopontin and interferon gamma physically and functionally modify the uterus and placenta to support pregnancy*, The 1st International Symposium, Creation and Future Trends in Food and Agricultural Immunology, Sendai, Japan

2015, Creation and Future Trends in Food and Agricultural Immunology Lecture, *Immunology from a Uterine Biologists Perspective*, Sendai, Japan

2015, Plenary Speaker, *OPN and its integrin receptors physically and functionally modify the uterus and placenta to support pregnancy*, Organ Function and Pathology Session, The International Osteopontin and Other SIBLING Protein Conference, Chicago, Illinois

2015, Plenary Speaker, *Blastocyst-uterine interactions during the periods of implantation and placentation in sheep and pigs*, Uterine receptivity to implantation and placentation session, Society for the Study of Reproduction (SSR) Annual Meeting, San Juan, Puerto Rico

2014, Keynote Lecture, *Osteopontin and integrins physically and functionally modify the uterus and placenta*, 20th Annual Texas Forum for Reproductive Sciences, San Antonio, Texas

2013, Invited Speaker, *Osteopontin and its integrin receptors physically and functionally modify the uterus and placenta to support pregnancy*, Reproductive Biology Seminar Series, University of Missouri, Columbia, Missouri

2013, Invited Speaker, *A role for osteopontin and integrins in nutrient transport by placentae*, 13th International Congress on Amino Acids, Peptides and Proteins (ICAPP), Galveston, Texas

2012, Speaker, Osteopontin, a key player in placentation, 6th Annual Reproductive Biology Retreat and 18th Annual Dr. Raymond O. Berry Memorial, College Station, Texas

2012, Speaker, *Sphingosine-1-Phosphate Mediates Uterine Angiogenesis*, Agriculture and Food Research Initiative & National Research Initiative, Animal Reproduction Project Director Meeting, The Pennsylvania State University, State College, PA

2011, Invited Speaker, *Roles of osteopontin and integrins during pig pregnancy*, Guangdong Institute of Animal Sciences, Guangzhou, China

2011, Invited Speaker, *Roles of osteopontin and integrins during pig pregnancy*, Institute of Subtropical Agriculture Chinese Academy of Sciences, Changsha, China

2011, Invited Speaker, *Roles of osteopontin and integrins during pig pregnancy*, Hubei Key Laboratory of Animal Nutrition and Feed Science, Wuhan Polytechnic University, Wuhan, China

2011, Invited Speaker, *Uterine secretions: molecular regulation of nutrient transport and physiological significance*, International Symposium on Maternal Nutrition and Fetal Development, Beijing, China

2011, Invited Speaker, *Interactions between the extracellular matrix (osteopontin) and integrins: strategies for implantation and placentation in pigs, sheep and beyond*, 4th Special Biomodulation Symposium, Seoul, Korea

2011, Invited Speaker, *Interactions between the extracellular matrix (osteopontin) and integrin receptors: strategies for implantation and placentation in pigs, sheep and beyond*. Animal Science Departmental Seminar, University of Wyoming

2010, Invited Speaker, *Workshop, What Can We Learn From Epitheliochorial Placentae: Current Advances Based on In Vivo and In Vitro Studies: International Federation of Placenta Associations meeting*, Santiago, Chile

2010, Invited Speaker, *Sigma Xi Spring Symposium*, Texas A&M University, College Station, TX

2009, Invited Speaker, *Workshop on Comparative Placentation: International Federation of Placenta Associations meeting*, Adelaide, Australia

2009, Speaker, *NRI Animal Reproduction Annual Investigator Meeting*, Pittsburgh, Pennsylvania

2009, Invited Speaker, *4th International Symposium on Animal Nutrition, Health and Feed Additives*, Chinese Academy of Sciences, Changsha, China

2009, Invited Speaker, *Conceptus-uterus interactions in pigs: endometrial gene expression in response to estrogens and interferons from conceptuses*, Breakout Session: Conceptus-Uterus Interactions, Eighth International Conference on Pig Reproduction, Banff, Alberta Canada

2008, Invited Speaker, *Workshop on Comparative Placentation: Different Species With Different Placental Solutions for Fetal Development and Survival*, International Federation of Placenta Associations meeting, and 12th Conference of the European Placenta Group, Seggau Castle, Austria

2008, Invited Speaker, *Gordon Conference on Reproductive Tract Biology, Session VI Implantation Biology*, Andover, New Hampshire

2008, Speaker, *NRI Animal Reproduction Annual Investigator Meeting*, Indianapolis, Indiana

2007, Invited Speaker, *Symposium: The Fetomaternal Dialogue in Domestic Animals: From Conceptus to Placental Release*, Marburg, Germany

2006, Invited Speaker, *Session 5 Reproduction*, Department of Veterinary Integrative Biosciences Retreat, Texas A&M University.

2005, Invited Speaker, *Integrins at the Maternal-Fetal Interface: Insights from the Sheep*, Interdisciplinary Faculty of Reproduction Seminar Series, Texas A&M University.

2005, Invited Speaker, *Gordon Conference on Small Integrin-Binding Proteins, Shared Functions of SIBLINGS session*, Big Sky, Montana

2004, Invited Speaker, *4th Meeting of the DFG Graduate Seminar Giessen-Marburg "Cell-Cell Interaction in Reproduction"*, Giessen, Germany

2003, Invited Speaker, *Workshop on Comparative Placentation: Uterine Histotroph and Placental Development, Ninth International Federation of Placenta Associations, 10th Conference of the European Placenta Group*, Mainz, Germany

2002, Invited Speaker, *Gordon Conference on Reproductive Tract Biology, New Investigators Forum*, New London, Connecticut

2001, Invited Speaker, *Third International Conference on Osteopontin*, San Antonio, TX

2001, Invited Speaker, *Northwest Reproductive Sciences Symposium*, Corvallis, OR

2001, Invited Speaker, *Role of Osteopontin in Conceptus Elongation and Implantation*, Giessen, Germany

Professional Organizations and Service:

Professional Organizations:

Society for the Study of Reproduction, Member, 1998 to present

The Endocrine Society, Member, 2001 to 2010

International Federation of Placenta Associations, 2003-2004, 2008-2012, 2016-2017

Professional Service:

Member, Society for the Study of Reproduction Heritage Committee, 2021-present.

Ad Hoc reviewer for the Agence Nationale De La Recherche (ANR) grant program (the AAPG2020 evaluation process), 2020.

Organizer, Celebration of Dr. Fuller W. Bazer's 50 Year Scientific Career, 2019.

Reviewer and panelist, X-Grants Program, Pilot/Planning Grants, Texas A&M University, 2018.

Society for the Study of Reproduction Local Arrangements Committee (SSR-LAC), 2018.

Board of Directors for the Society for the Study of Reproduction, 2016-2019.

Texas Forum on Reproductive Sciences, Houston, TX, Meeting Organizer/Coordinator, 2008 and 2019.
Steering Committee, 2007-present.

Executive Committee, Interdisciplinary Faculty of Reproductive Biology 2006 – 2013; 2017 - present

Primary Advisor, Texas A&M University Global Brigades (955420), 2015-2017.

Co-Organizer, Annual Dr. Raymond O. Berry Memorial Lecture and Annual Interdisciplinary Faculty of Reproductive Biology (IFRB) Retreat, 2014, 2015, 2016, 2017, 2018 and 2019.

Peer Reviewer for the Agricultural Research Service Office of Scientific Quality Review (ARS, OSQR), 2017.

Ad Hoc reviewer for National Science Foundation CAREER Proposals, 2017.

Ad Hoc grant reviewer for the National Science Centre of Poland, 2013-2021.

Member, Society for the Study of Reproduction Publications Committee, 2007-2011.

Chair, Interdisciplinary Faculty of Reproductive Biology, 2006 – 2010

Member, Program Committee Abstract Reviewer, Society for the Study of Reproduction, 2006-2008

Member, Seminar Committee, Interdisciplinary Faculty of Reproductive Biology, 2004 – 2006; Chair 2004-2005

Chair, Graduate Programs Committee, Interdisciplinary Faculty of Reproductive Biology, 2005 – 2006.

Member, Membership Committee, Society for the Study of Reproduction, 2003-2006.

Manuscript Review for Journals:

Review of between 25-49 manuscripts for professional journals per year (54 in 2020, 62 thus far in 2021)

Ad hoc reviewer for:

American Journal of Physiology: Regulatory, Integrative and Comparative Physiology

American Journal of Reproductive Immunology

Anatomical Record

Animal Reproduction

Animal Reproduction Science (15 total reviews)

Annals of Medicine

Annals of Reproductive Medicine and Treatment

Archivum Immunologiae et Therapiae Experimentalis

BBA Biomembranes

Biochimie

Biology of Reproduction (112 total reviews)
Biomedicine & Pharmacotherapy
Biotechnic & Histochemistry
BMC Genomics
Cancer Biology and Research
Cell and Tissue Research
Cell Biology International
Cell Cycle
Cells
Cells Tissues and Organs
Cell and Tissue Research
Cellular Signaling
Clinical Nutrition
Communications Biology/Nature
Current Drug Targets
Domestic Animal Endocrinology (38 total reviews)
Endocrinology
European Journal of Obstetrics & Gynecology & Reproductive Biology
FASEB Journal (4 total reviews)
GENE
Genes
Genome Biology and Evolution
Gynecologic Oncology Case Reports
Histology and Histopathology
Human Reproduction
Innate Immunity
International Journal of Fertility and Sterility
International Journal of Molecular Sciences
International Medical Case Reports Journal
In Vitro Cellular and Developmental Biology
Journal of Animal Science
Journal of Animal Science and Biotechnology (5)
Journal of Cancer Biology and Research
Journal of Cellular Physiology
Journal of Endocrinology
Journal of Molecular Histology
Journal of Morphology
Journal of Nutritional Biochemistry
Journal of Obstetrics and Gynaecology Research
Journal of Physiology and Pharmacology
Journal of Pineal Research
Journal of Reproductive Immunology
Journal of Steroid Biochemistry and Molecular Biology
Journal of Zhejiang University-SCIENCE B
Life: Medical Research Section
Livestock Science
Molecular Biology Reports
Molecular and Cellular Endocrinology
Molecular Human Reproduction
Molecular Medicine Reports
Molecular Reproduction and Development (17 total reviews)

Neurotoxicology
Oncoology Letters
Pakistan Journal of Zoology
Pediatric Research
PeerJ
Placenta (86 total reviews)
Plos One
PNAS
The Quarterly Review of Biology
Rapic Communications in Mass Spectrometry
Regulatory Peptides
Reproduction (78 total reviews)
Reproduction and Fertility
Reproductive Biology and Endocrinology (25 total reviews)
Reproduction in Domestic Animals (15 total reviews)
Reproduction, Fertility and Development (13 total reviews)
Scientific Reports
Small Ruminant Research
The Anatomical Record
Theriogenology (28 total reviews)
The Veterinary Journal
Tissue and Cell
Translational Animal Research
Veterinary Medicine International

Committee Assignments:

Departmental:

Member VIBS Faculty Assessment & Success Committee, 2021
 Faculty Mentor for Dr. Martial Ndeffo, 2019-present
 Faculty Mentor for Dr. Dana Kneese, 2019-present
 Member, Veterinary Integrative Biosciences Department Head Search Committee, 2018-2019
 Chair, Promotion and Tenure Committee, 2016-present
 Member, Graduate Programs Committee, 2006-present
 Member, Strategic Planning Committee, 2009-present
 Member, Teaching Committee, 2007-present
 Faculty Mentor for Dr. Qinglei Li, 2011- present
 Chair, Internal Review Committee for Dr. Weston Porter's research, teaching and service, 2015
 Chair, Internal Review Committee for Dr. Joe Arosh's research, teaching and service, 2015
 Member, Internal Review Committee for Dr. James Cai's research, teaching and service, 2015
 Member, New CVM facilities space committee for VIBS, 2012
 Chair, Internal Review Committee for Dr. Louise Abbott's teaching, 2011
 Chair, Search Committee, Reproductive Biologist in Pregnancy, 2009-2010
 Chair, Internal Review Committee for Dr. Joe Arosh's service, 2010
 Chair, Internal Review Committee for Dr. Joe Arosh's research, 2010
 Chair, Search Committee, Lecturer in Histology and Anatomy, 2008
 Member, Search Committee, Reproductive Biology/Anatomy, 2003-2004

College:

Ad Hoc Committee Regarding the Future of the Image Analysis Laboratory, 2021
CVM BIMS Graduate Program Curricular Review Committee, 2020
Member Graduate Instruction Committee, 2019-present
College Promotion and Tenure Committee, 2016-present
Scholarship Selection Committee for BIMS students, 2014-2019
Scholarship Selection Committee for BIMS students, 2014-2019
VIBS Facilities Planning Committee for Veterinary Medical Academic Building, 2012
Medical Sciences Library Council, 2004-2006
Judge, College of Veterinary Medicine Graduate Research Symposium, 2003, 2004, 2005
Diversity Nomination Review Committee, 2012 Judge, *TAMU 6th Annual Student Research Week*, 2003

University

Member, Animal Science Operations Advisory Committee 2018- present.
Member, Executive Committee, Interdisciplinary Faculty of Reproductive Biology, 2006-2013; 2017-present.
Member, Search Committee, Reproductive Biologist in Neuroendocrinology, Department of Animal Science, 2014-2015
Member, Committee to Examine the Use of Animal Science Department Animal Resources, 2017
Committee Member, Who's Who Among Students in American Universities and Colleges, 2011
Chair, Interdisciplinary Faculty of Reproductive Biology, 2006 – 2010
Chair, Graduate Programs Committee, Interdisciplinary Faculty of Reproductive Biology, 2005 – 2006
Member, Seminar Committee, Interdisciplinary Faculty of Reproductive Biology, 2004 – 2006; Chair 2004-2005

PUBLICATIONS

Citations All	Citations Since 2016	h-index All	h-index Since 2016	i10-index All	i10-index Since 2016
13,044	5,357	67	37	142	109

Publications in Refereed Journals: (*trainees italicized*)

181. Li X, **Johnson GA**, Zhou H, Burghardt RC, Bazer FW and Wu G. Microarray analysis reveals and important role for dietary L-arginine in regulating global gene expression in [porcine placentae during early gestation. *Front Biosci* 2021, in preparation.
180. Stenhouse, C, Halloran KM, Hoskins EC, Newton MG, Moses RM, *Seo H*, Dunlap KA, Satterfield MC, Gaddy D, **Johnson GA**, Wu G, Suva LJ and Bazer FW. Effects of pre-implantation exogenous progesterone on phosphate, calcium, and vitamin D signaling at the ovine maternal-conceptus interface. *Biol Reprod* 2021, in preparation.
179. Halloran KM, Stenhouse C, Moses RM, *Seo H*, **Johnson GA**, Wu G and Bazer FW. Polyamine biosynthesis and interconversion in sheep. *Biol Reprod* 2021, in preparation.

178. Stenhouse C, Halloran KM, Moses RM, *Seo H*, Gaddy D, **Johnson GA**, Wu G, Suva LJ and Bazer FW. Effects of progesteron and interferon tau on ovine endometrial phosphate, calcium , and vitamin D signaling. Biol Reprod 2021, in preparation.

176. Wu G, *Seo H*, *McLendon BA*, *Kramer AC*, Zhu C, Burghardt RC, Bazer FW, and **Johnson GA**. Osteopontin (OPN)/Secreted Phosphoprotein 1 (SPP1) engages integrins t increase ion transport across the porcine placenta. Frontiers Biosciences 2021, in preparation.

175. *McLendon BA*[‡], *Kramer AC*[‡], *Seo H*, Zhu C, Bazer FW, Burghardt RC, **Johnson GA**[†] and Wu G[†]. Temporal and spatial expression of aquaporin 1, 8, and 9 within the porcine uterus and placenta. Placenta 2021, in preparation. [‡] equal contribution by both authors; [†]Co-Corresponding Authors

174. Stenhouse C, Wu G, *Seo H*, **Johnson GA** and Bazer FW. Insights into the regulation of implantation and placentation in humans, rodents, sheep, and pigs. 2021, submitted.

173. Moses RM, *Kramer AC*, *Seo H*, Wu G, **Johnson GA** and Bazer FW. A role for fructose metabolism in the development of sheep and pig conceptuses. Adv Exp Med Biol, 2021, submitted

172. Zhu C, Jiang Z, **Johnson GA**, Burghardt RC, Bazer FW and Wu g. Nutritional and physiological regulation of water transport in the conceptus. Adv Exp Med Biol, 2021; submitted.

171. Elmetwally MA, Li X, **Johnson GA**, Burghardt RC, Herring CM, *Kramer AC*, Meininger CJ, Bazer FW and Wu G. Dietary supplementation with L-arginine between days 14 and 25 of gestation enhances placental expression of angiogenic proteins in gilts. Amino Acids, 2021; <https://soi.org/10.1007/s00726-021-03097-2>.

170. Chen PR, Lucas CG, Cecil RF, Pfeiffer CA, Fudge MA, Samuel MS, Zigo M, *Seo H*, Sate LD, Whitworth KM, Sutovsky P, **Johnson GA**, Wells KD, Geisert RD and Prather RS. Disruption porcine glutaminase does not impair preimplantation development and elongation nor decrease mTORC12 activation. Biol Repro, 2021, <https://doi.org/10.1093/biolre/ioab16>.

169. Zhu C, Li X, Bazer FW, **Johnson GA**, Burghardt RC, Jiang Z and Wu G. Dietary L-arginine supplementation during days 14-25 of gestation enhances aquaporin expression in the placenta and endometria of gestating gilts. Amino Acids, 2021, <https://doi.org/10.1007/s00726-021-03038-z>.

168. *Kramer AC*, *Erikson DW*, *McLendon BA*, *Seo H*, Hyashi K, Spencer TE, Bazer FW, Burghardt RC, and **Johnson GA**. SPP1 expression in the mouse uterus and placenta: implications for implantation. 2021, Biol Reprod, 2021, <https://doi.org/10.1093/biolre/ioab125>.

167. *McLendon BA*[‡], *Kramer AC*[‡], *Seo H*, Bazer FW, Burghardt RC[†] and **Johnson GA**[†]. Integrin Adhesion Complex Organization in Sheep Myometrium Reflects Changing Mechanical Forces during Pregnancy and Postpartum. Biology, 2021;10-508;<https://doi.org/10.3390/biology10060508>.

[‡] equal contribution by both authors; [†]Co-Corresponding Authors

166. Halloran KM, Hoskins EC, Stenhouse C, Moses RM, Dunlap KA, Satterfield C, **Johnson GA**, Wu G and Bazer FE. Pre-implantation exogenous progesterone and pregnancy in sheep. II. Effects on fetal-placental development and nutrient transporters in late pregnancy. *J Anim Sci & Biotech*, 2021; 12:46-66.
165. *Seo H*, **Johnson GA**, Bazer FW, Wu G, *McLendon BA* and *Kramer AC*. Cell-specific expression of enzymes required for serine biosynthesis and glutaminolysis in farm animals. *Adv Exp Med Biol*, 2021; 1285:17-28.
164. Bazer FW, *Seo H*, **Johnson GA** and Wu G. One-carbon metabolism and development of the conceptus during pregnancy: lessons from studies with sheep and pigs. *Adv Exper Med Biol*, 2021; 1285:1-16.
163. Hoskins EC, Halloran KM, Stenhouse C, Moses RM, Dunlap K, Satterfield MC, *Seo H*, **Johnson GA**, Wu G and Bazer FW. Pre-implantation exogenous progesterone and pregnancy in sheep: 1. Polyamines, nutrient transport, and prostaglandins. *J Anim Sci & Biotech*, 2021; 12:39-56.
162. *Frank JW*, *Steinhauser CB*, Wang X, Burghardt RC, Bazer FW, **Johnson GA**. Loss of ITGB3 in ovine conceptuses decreases conceptus expression of NOS3 and SPP1: implications for the developing placental vasculature. *Biol Reprod*, 2021; 104:657-668. **Selected Editor's Choice.**
161. *McLendon BA*, *Seo H*, *Kramer AC*, Burghardt RC, Bazer FW and **Johnson GA**. Pig conceptuses secrete interferon gamma to recruit T cells to the endometrium during the peri-implantation period. *Biol Reprod*, 2020; 103:1018-1029.
160. *Seo H*, *Frank JW*, Burghardt RC, Bazer FW and **Johnson GA**. Integrins and OPN localize to adhesion complexes during placentation in sheep. *Reproduction*, 2020; 160:521-532.
159. *Kramer AC*, *Steinhauser CB*, Gao H, *Seo H*, *McLendon BA*, Burghardt RC, Wu G, Bazer FW and **Johnson GA**. Steroids Regulate Expression of SLC2A1 and SLC2A3 to Deliver Glucose into Trophoblast for Metabolism via glycolysis. *Endocrinology*, 2020; 161:1-19.
Commentary: Mathew DJ. Glucose and Fructose transport across the epitheliochorial placenta: SLC2A and the uterine-placental interface in pigs. *Endocrinol*, 2020; 161:1-2.
158. Bazer FW, *Seo H*, Wu G and **Johnson GA**. Interferon tau: influences on growth and development of the conceptus. *Theriogenology*, 2020; 150:75-83.
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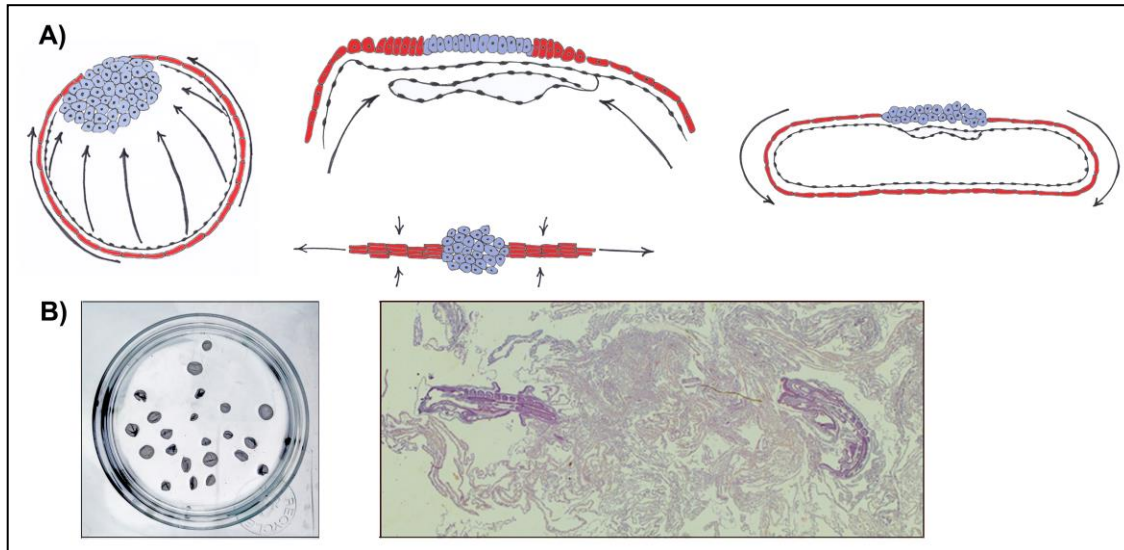
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Scientific Hand Drawn Illustrations

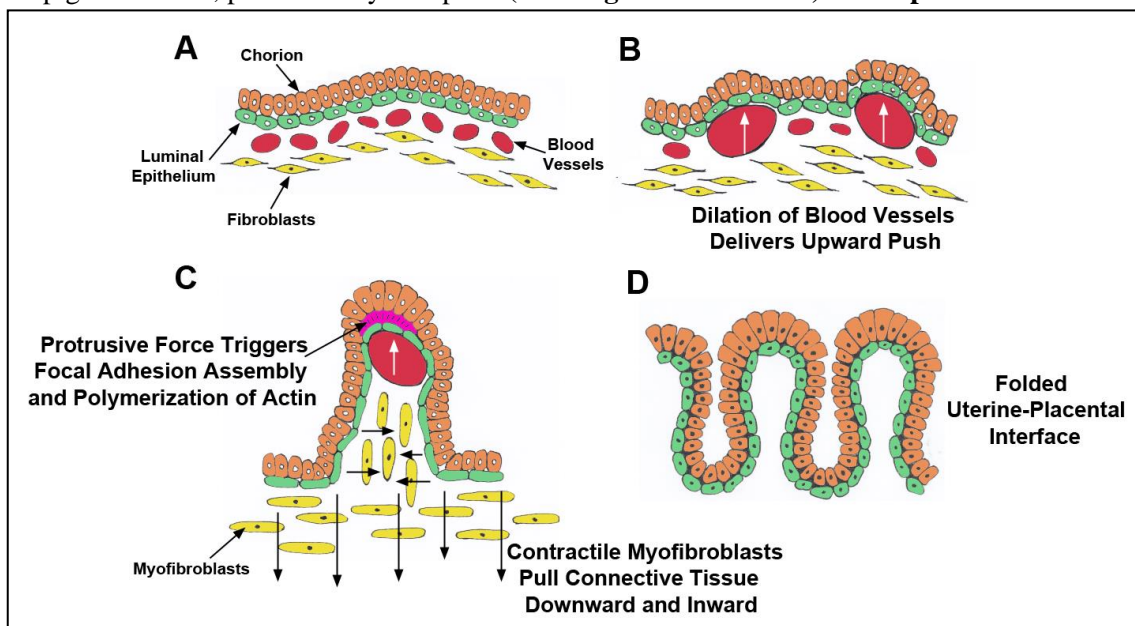
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Example of Illustration



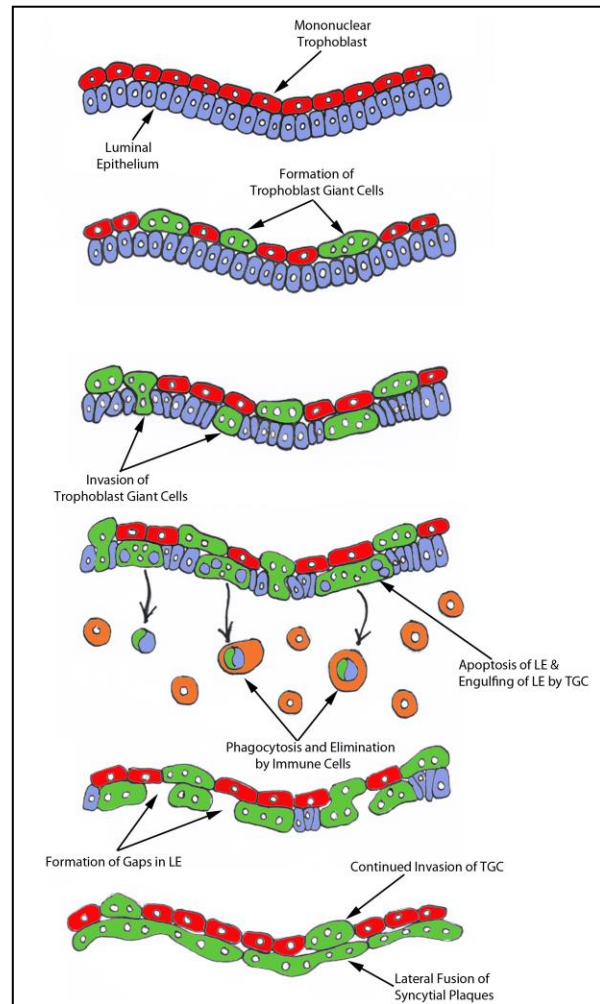
25. *Bazer FW, Seo H, Johnson GA and Wu G.* One-carbon metabolism and development of the conceptus during pregnancy: lessons from studies with sheep and pigs. *Adv Exper Med and Biol*, 2021; 1285:1-16. **(two original illustrations)**

24. *Seo H, Li X, Wu G, Bazer FW, Burghardt RC, Bayless KJ and Johnson GA.* Mechanotransduction drives morphogenesis to develop folding at the uterine-placental interface of pigs. *Placenta*, provisionally accepted. **(one original illustration)** **Example of Illustration**



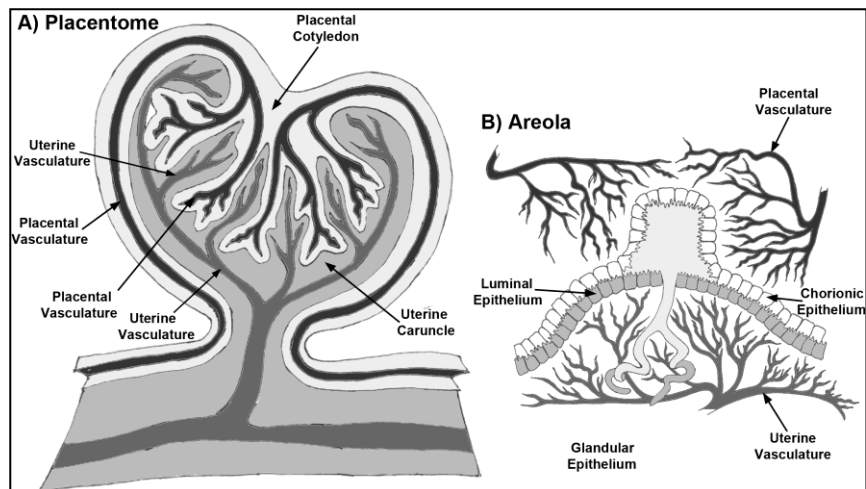
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Example of Illustration



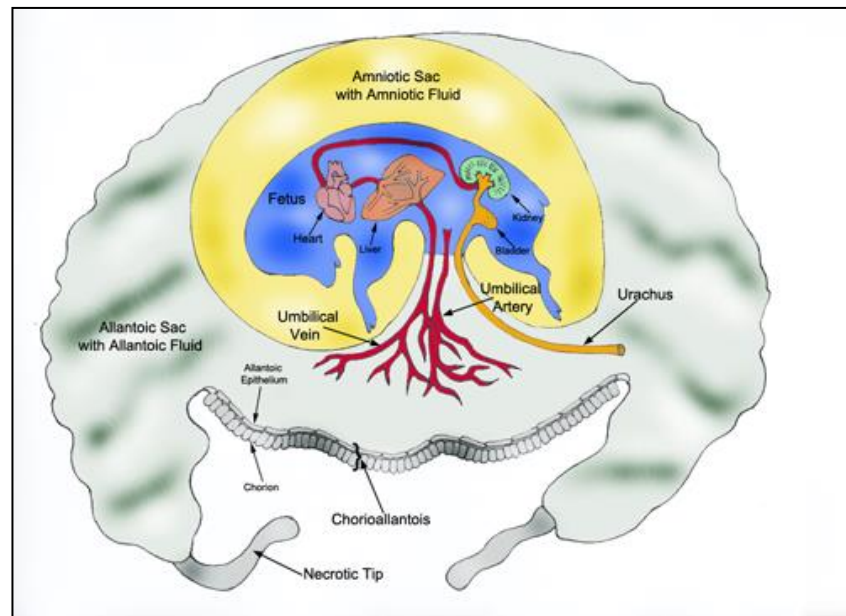
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Example of Illustration



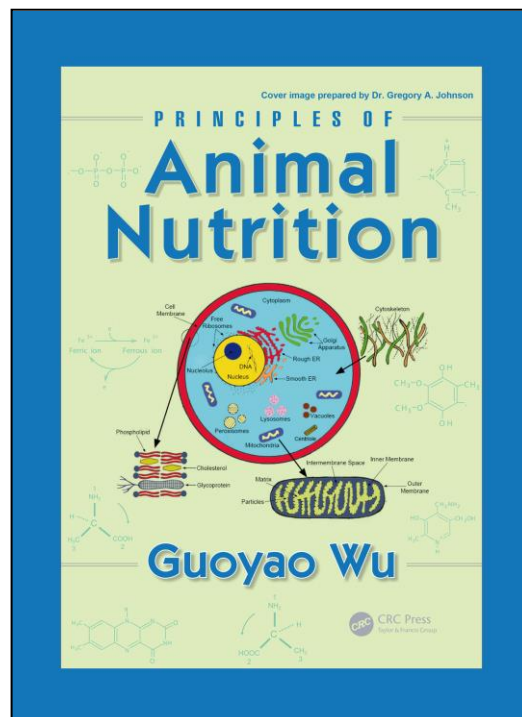
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Example of Illustration



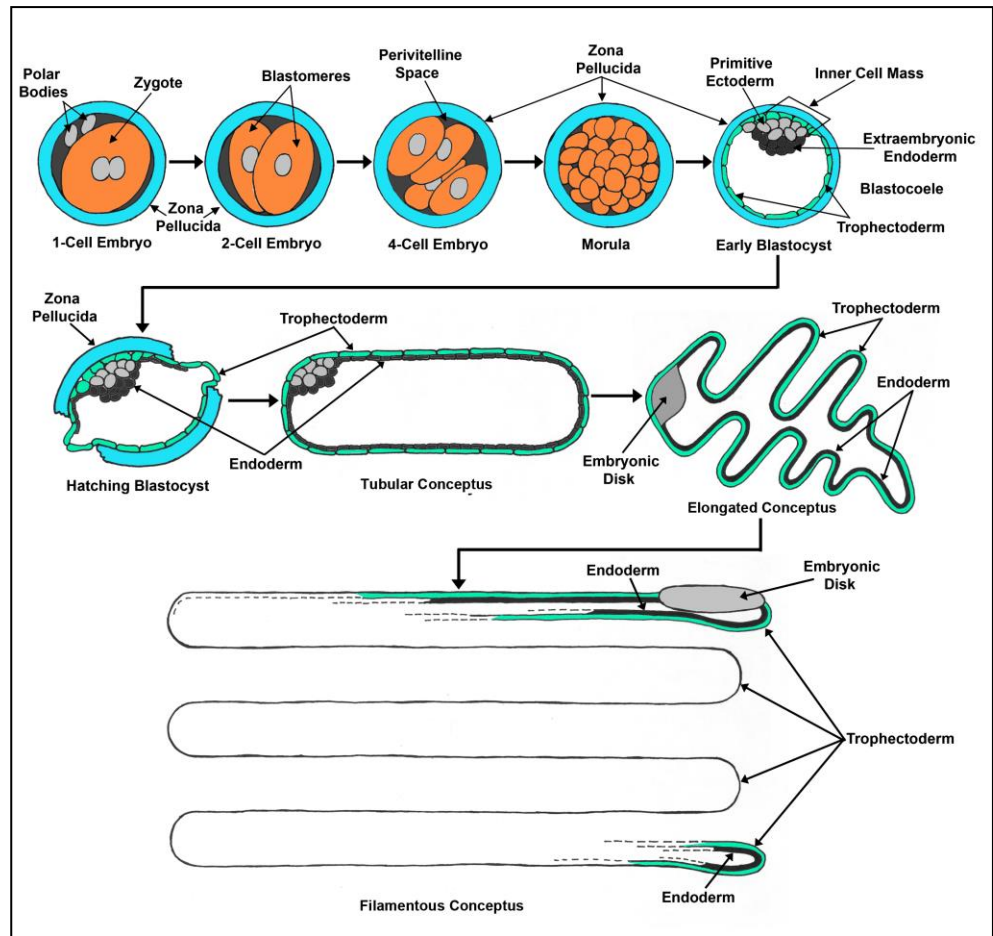
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Example of book cover

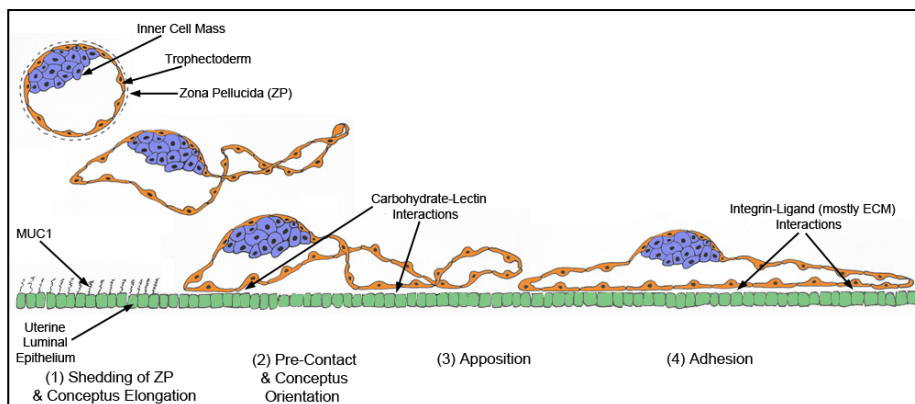


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Example of Illustration



18. Geisert RD, **Johnson GA** and Burghardt RC. Implantation and establishment of pregnancy in the pig. In: *Regulation of implantation and establishment of pregnancy in mammals: Tribute to 45 year anniversary of Roger V. Short's "Maternal Recognition of Pregnancy"*. Ed's R.D. Geisert and F.W. Bazer. 2015, pp 137-164. (one original illustration) **Example of Illustration**

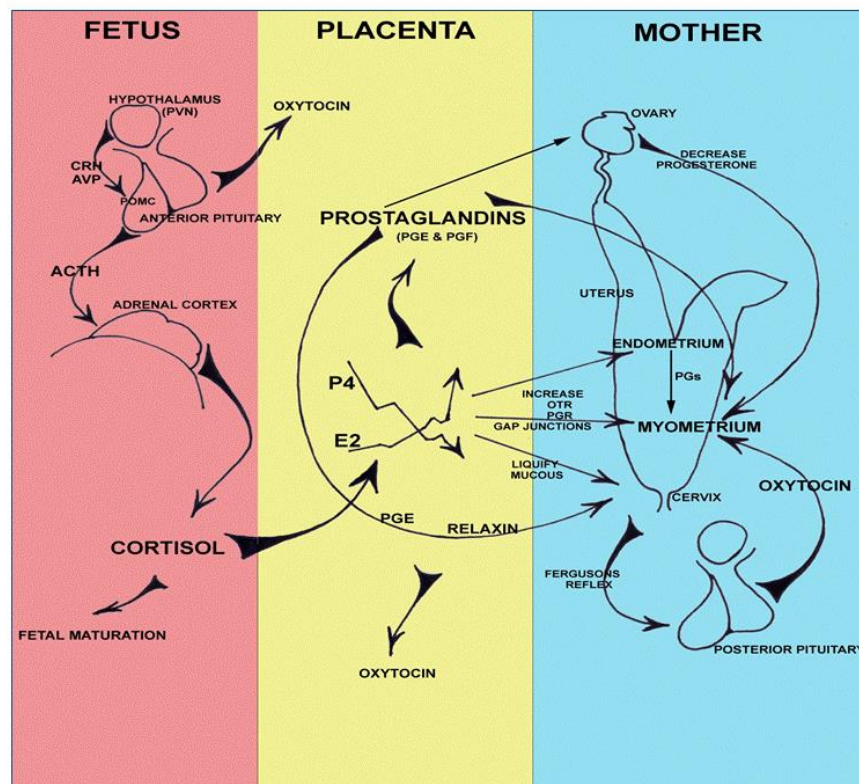


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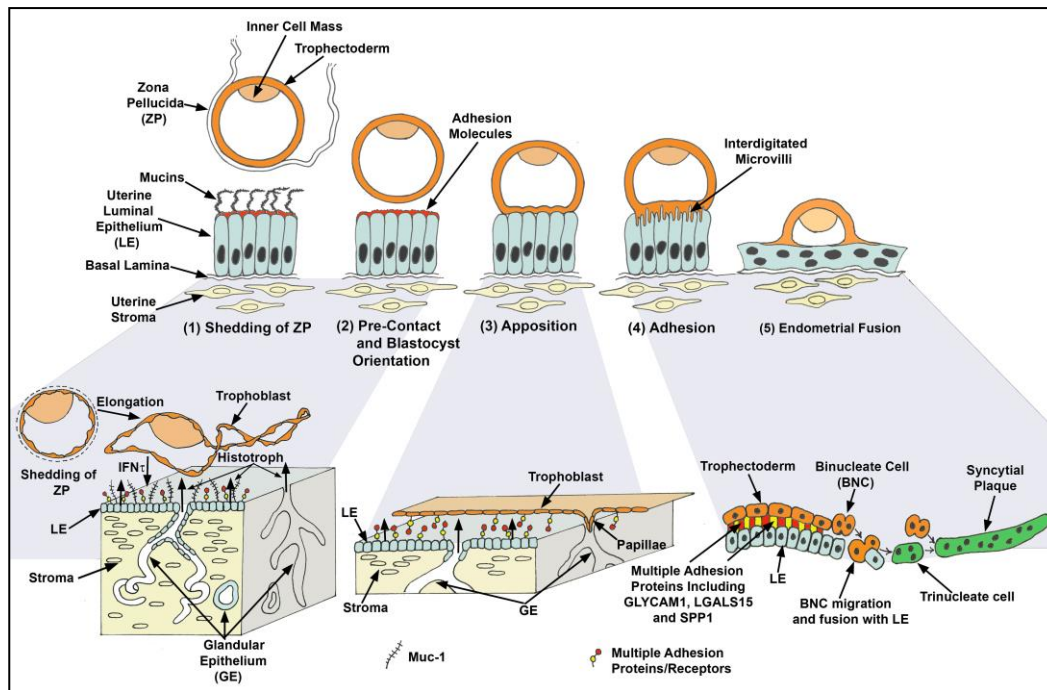
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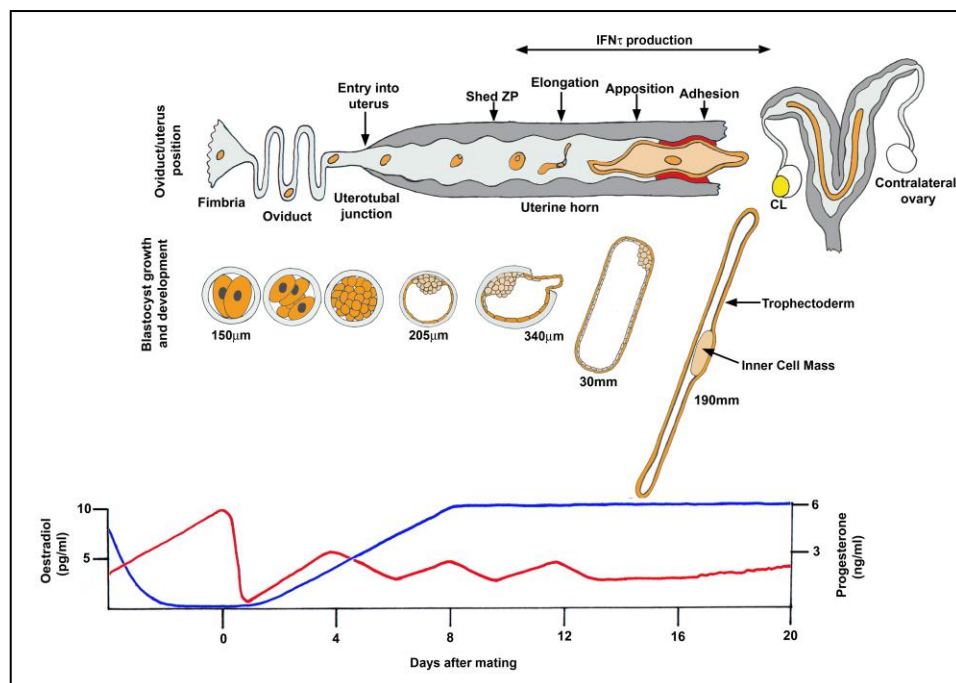
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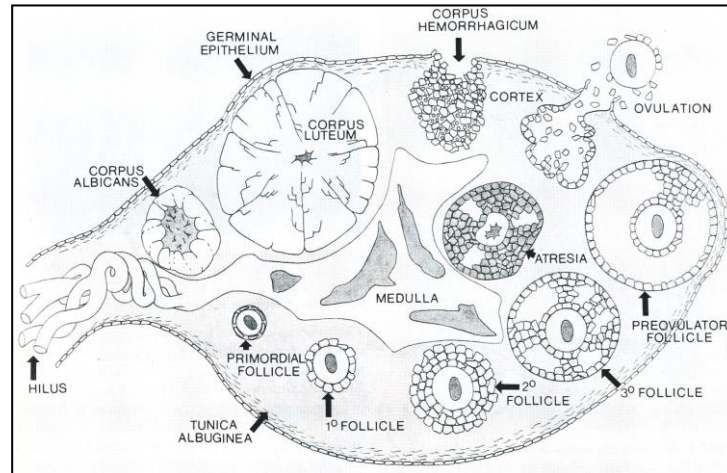
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Example of illustration



Abstracts:

170. Stenhouse C, Halloran KM, Moses RM, *Seo H*, Gaddy D, **Johnson GA**, Wu G, Suva LJ and Bazer FW. Progesterone, but not interferon- τ , regulates S100 calcium binding proteins in the ovine uterus during the peri-implantation period. Fertility, 2021.

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165. *Kramer AC, Seo H, McLendon BA, Burghardt RC, Wu G, Bazer FW and **Johnson GA***. Porcine conceptuses utilize the pentose phosphate pathway to support development during the peri-implantation period of pregnancy. Annual Meeting for the Society for the Study of Reproduction, 2021.

164. *McLendon BA, Seo H, Kramer AC, Burghardt RC, Wu G, Bazer FW and **Johnson GA***. Porcine conceptus IFNG is post-transcriptionally regulated and released from the trophectoderm via extracellular vesicles to recruit metabolically activated T cells. Annual Meeting for the Society for the Study of Reproduction, 2021.

163. Sah N, Stenhouse C, Halloran KM, Moses RM, *Seo H, **Johnson GA**, Wu G and Bazer FW*. Inhibition of Mitochondrial SHMT2 Translation in Ovine Conceptuses During the Peri-Implantation Period of Pregnancy Increases Embryonic Mortality. Annual Meeting for the Society for the Study of Reproduction, 2020.

162. Moses RM, *Kramer AC, Stenhouse C, Halloran KM, Sah N, Seo H, **Johnson GA**, Wu G, Bazer FW*. Ovine conceptuses utilize fructose as a substrate for the pentose phosphate pathway during the peri-implantation of pregnancy. Annual Meeting for the Society for the Study of Reproduction, 2020.

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160. *Seo H, Kramer AC, McLendon BA, Burghardt RC, Wu G, Bazer FW and **Johnson GA***. Glutaminolysis Drives TCA Cycle Anaplerosis through Oxidative and Reductive Pathways to Support Nucleotide and Lipid Biosynthesis in Pig Conceptuses. Annual Meeting for the Society for the Study of Reproduction, 2020.

159. *McLendon BA, Seo H, Kramer AC, Burghardt RC, Wu G, Bazer FW and **Johnson GA***. Immunometabolism Regulates the Production of IFNG by Elongating Conceptuses and the Function of Immune Cells in the Endometrium of Pigs. Annual Meeting for the Society for the Study of Reproduction, 2020.

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154. Elmetawally MA, Herring CM, Bazer FW, **Johnson GA** and Bazer FW. Functional role of L-arginine in water transport by porcine trophectoderm (pTr2) cells. Annual Meeting for the Society for the Study of Reproduction, 2019.

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