BRIAN L. BRUNER

Associate Professor of Instruction
Department of Agricultural Sciences Texas State University

Professional Experience

Texas State University **January 2015 – present**
Associate Professor of Instruction
Dept. of Agricultural Sciences
Courses Taught:

AG1445 Basic Animal Science
AG2367 Animal Ultrasonography
AG3301 Principles of Genetics
AG3331 Reproduction in Farm Animals
AG3345 Livestock Selection and Evaluation

Texas State University
Manager
Blewett Quasi-Endowment for Agricultural Research **October 2022 – present**
Responsible for management of gifted funds, genetics, and other resources to support research and teaching in the Department of Agricultural Sciences.

ARTistry Genetics, LLC – Kingsbury, TX **January 2013 – present**
Co-Founder, General Manager
Provide assisted reproductive services including *in vitro* fertilization, embryo transfer, cell line development & storage, and cloning for cattle, sheep, and goats.

PrimeLine Beef, LLC – Grandview, TX **July 2008 – present**
Co-Founder, General Manager
Manage the overall operations of a vertically integrated 400 head beef cattle business providing seedstock genetics to commercial producers, as well as, feeding/finishing animals, and marketing Wagyu beef to food service, retail, and consumer clients.

ViaGen, Inc. – Austin, TX **July 2006 – November 2012**
Director of Operations
Responsible of production of cloned animals from embryo development to delivery of healthy animal clones to clients.

- Oversaw cell culture and embryo production labs
- Managed surrogate animal herds of cows, pigs, goats, and horses including procurement, health, nutrition, and reproduction
- Performed surgical and nonsurgical embryo transfer and monitored pregnancies via ultrasound
- Delivered presentations at scientific meetings and conferences

- Worked with the FDA to provide data and information for the agency's production of the Risk Assessment and Final Rule regarding the safety of including cloned animals and their offspring in the food supply chain.
- Developed USDA Process Verified Programs for DNA-verified Angus Beef Supply Chain Management and for the Traceability of Cloned Animals
- Assisted in developing and writing successfully funded NSF-SBIR Grants – Phase I/II

ViaGen, Inc. – Austin, TX **July 2004 – July 2006**
Sales and Marketing Manger

- Developed and implemented strategic plans to achieve aggressive sales goals for cloning and genomics product areas
- Developed extensive genetic improvement and breeding multiplication plans for large, vertically integrated seedstock and commercial beef organizations
- Attended scientific conferences and tradeshows to represent the company and deliver technical presentations

Ambion, Inc – Austin, TX **January 2004 – July 2004**
Director of Strategic Marketing & Business Analysis

- Performed financial analysis to assess market, growth, and profit potential for new technologies
- Negotiated license-in and license-out agreements
- Participated in due diligence activities for merger and acquisition initiatives
- Provided forecasts for future product, product line, business unit, and company performance
- Trained global sales team and distributors on technical aspects of products and marketing

Ambion, Inc – Austin, TX **1996 – 2003**
Product Manager/Marketing Manager

- Managed market-driven new product development consistent with strategic goals of the business
- Lead cross-departmental teams to research, develop, manufacture, and market new products
- Developed marketing plans for product positioning and promotion that included market research, competitor analysis, pricing, and sales forecasting, as well as planning, designing, and implementing advertising and promotional activities
- Delivered technical presentations at scientific conferences

Texas A&M University – College Station, TX **1992 – 1996**
Department of Animal Science – Graduate Assistant

- Thesis – Molecular and Physiological Parameters of Adrenal Gland Function
- Teaching: ANSC 684 – Special Topics in Gene Expression Analysis
  ANSC 454 – Artificial Breeding of Livestock
  BICH 418/428 – General Biochemistry Labs I/II

Education

Texas State University
Master of Business Administration (2001)

Texas A&M University
Graduate Student – Animal Science (1991-1996)
Bachelor of Science – Biochemistry (1991)

Profession Development

College Achievement Award for Excellence in Teaching (Texas State University – 2023)
Preventing Harassment and Discrimination (Texas State University - 2023)
Cybersecurity Awareness (Texas State University - 2023)
Online Teaching Certification (Texas State University – 2020 and 2023)
Lake Travis ISD Substitute Teaching University (2019)
American Embryo Transfer Society Certification (2013 – present)
Beef Quality Assurance Certification (2008 – present)
USDA Process Verified Program Certification (2010 & 2014)
Mauro Prockner Memorial Award – Teaching (Texas A&M; 1996)

Publications

Comparison of meat composition from offspring of cloned and conventionally produced boars.
Walker SC, Christenson RK, Ruiz RP, Reeves DE, Pratt SL, Arenivas F, Williams NE, Bruner BL, Polejaeva IA.Theriogenology. 2007 Jan 1;67(1):178-84. doi: 10.1016/j.theriogenology.2006.09.025. Epub 2006 Nov 15. PMID: 17109945 Large scale in vivo risk assessment of bovine viral diarrhea virus (BVDV) transmission through transfer of bovine embryos produced via somatic cell nuclear transfer (SCNT).
Gregg K, Gosch G, Guerra T, Chen SH, Xiang T, Broek D, Bruner B, Polejaeva I. Theriogenology. 2010 Oct 15;74(7):1264-70. doi: 10.1016/j.theriogenology.2010.05.032. Epub 2010 Aug 12. PMID: 20708238
Mifepristone modulation of ACTH and CRH regulation of bovine adrenocorticosteroidogenesis in vitro.
Carroll JA, Willard ST, Bruner BL, McArthur NH, Welsh TH Jr.
Domest Anim Endocrinol. 1996 Jul;13(4):339-49. doi: 10.1016/0739-7240(96)00047-1. PMID: 8839627