



# ALISHA GUPTA


VETERINARY MEDICINE



## CONTACTS

+91-7087645599

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1320 HBC, Sec 15A,  
Hisar, HR, 125001, India

## LINKS

Twitter:  
<http://twitter.com/veterinaryblast>

Linkedin:  
<http://linkedin.com/in/dralishahag>

## SKILLS

Veterinary Medicine

Veterinary Surgery and Gynaecology

In vitro fertilization

Embryo culture

Embryo Vittrification

Semen analysis

Intra-oocyte injection/Biopsy

Research

Protocol development

Protocol implimentation

Molecular biology (Basic)

Molecular biology (Advanced)

Team work and communication

Critical thinking

Attention to detail

Problem solving

Professional development

Academic publication

Documentation

Group instruction

Teaching expertise

Creative lesson planning

Classroom lectures

Grant writing

Animal Handling

Public relations

## LANGUAGES

English

Hindi

Punjabi

## REFERENCES

**Dr. Kenneth White**  
Utah State University  
T: (435) 797-2201  
E: ken.white@usu.edu

**Dr. S.K. Nagpal**  
KCVAS  
T: +91-9779048400  
E: drsknagpal@gmail.com

## ABOUT ME

- Trained Veterinarian with academic and research skills mainly focussing on molecular biology and embryology.
- In depth knowledge of scientific research based projects and publications
- Future goal to establish as a veterinary clinical academician

## WORK EXPERIENCE

**Assistant Professor, Khalsa College of Veterinary Sciences and Animal Husbandry, AMRITSAR, IN**  
Jul 2017 - Oct 2020

- Prepared and delivered lectures (Veterinary Physiology)
- Conducted practical sessions
- Encorporated progressive teaching methods to instruct a class of 60 students, which resulted in an improvement in standardized test scores.

**Researcher I/Lab Manager, Utah State University, Logan, UT**  
Apr 2016 - May 2017

- Leading and managing animal cloning projects
- Ensured and implied protocols for the research projects
- Routine activities for *in vitro* embryo production lab

**Graduate Research Assistant, University of Saskatchewan, Saskatoon, SK, CA**  
Aug 2013 - Mar 2014

- Conducting IVF and cattle embryo production
- Cryopreservation of embryos
- Data recording and analysis

**Graduate Teaching Assistant, University of Saskatchewan, Saskatoon, SK, CA**  
Mar 2011 - Sep 2013

- Preparing and delivering lectures (Veterinary Histology)
- Conducting and leading practical sessions

## EDUCATION

**Master's Degree, WCVM, University of Saskatchewan, SK, CA, Saskatoon, SK, CA**  
2015

- Study abroad
- Ranked in Top 1% of class
- **Dissertation:** Microarray based gene expression analysis of *in vitro* produced bovine embryos cryopreserved using two different cryopreservation techniques.
- **Specialized Coursework:**
  1. Reproductive ultrasound and embryo transfer
  2. Techniques in Molecular biology
  3. R based statistical analysis
- **Publications:**
  1. Gupta A, Singh J, Dufort I, Robert C, Dias FCF, Anzar M (2017) Transcriptomic difference in bovine blastocysts following vitrification and slow freezing at morula stage. PLoS ONE 12(11): e0187268.
  2. Gupta, A., Singh, J. and Anzar, M. (2016) Effect of cryopreservation techniques and season on the survival of in vitro produced bovine embryos. Anim. Reprod. Sci. (164; 162-168).
- Professional Development

**M.Vet.Sc., COVS, CCS Haryana Agricultural University, Hisar, HR, IN**  
2010

- Major- Animal Biotechnology
- Minor in Veterinary Microbiology
- Number GPA-8.34
- **Publications:**
  1. Alisha A, Minakshi P, Ranjan K, Prasad G. (2014) Comparison of D–Loop Gene for Subspecies Confirmation of Tigers (Panthera Tigris). Adv. Anim. Vet. Sci. 2 (2): 116 – 119.
  2. Salar, R.K., Gahlawat, S.K., Siwach, P., Duhan, J.S. (Eds.) (Ed: 1; 2014). Animal Forensics and applications In: Biotechnology: prospects and applications. (2013): New Delhi: Springer India, p. 265-286
  3. Savi, Alisha, Rupinder, Kumar, A. and Prasad, G. (2010) Repairing the human body using stem cells. Spectrum, a magazine published by CCS Haryana Agricultural University, Hisar, Haryana (India).
  4. Kumar, A., Rupinder, Savi, Alisha and Prasad, G. (2010) Insect vectors: Major disease transporter of human and animals. Spectrum, a magazine published by CCS Haryana Agricultural University, Hisar, Haryana (India).

**B.Vet.Sc. & A.H. (DVM Eq.), COVS, CCS Haryana Agricultural University, Hisar, HR, IN**  
2008

- Professional Accreditation- Registered Veterinary practitioner
- Professional Training
- Number GPA-7.69

## INTERNSHIPS

**Veterinary Medicine, CCS Haryana Agricultural University, Hisar, HR, IN**  
Jan 2008 - Jun 2008

- Rotational Veterinary Medicine Internship in completion of degree.

## PRESENTATIONS

**Alisha, A., Dias, F.C.F., Singh, J., Robert, C. and Anzar, M. (2015) Global Gene Expression in Slow-Freezing and Vitrified Embryos Produced In Vitro, San Juan, Puerto Rico, US**  
Jun 2015

Poster presented in Annual meeting of Society for Study of Reproduction, on June 21, 2015, held from June 17-22, 2015 at Puerto Rico Convention center, San Juan, Puerto Rico.