

# Natya Hans, PhD Candidate

[natyauf@gmail.com](mailto:natyauf@gmail.com)

217 Carr Hall  
Biology Department  
University of Florida  
Gainesville, FL 32611  
Ph: 352-870-5715

## Education

### University of Florida, Gainesville

Ph.D. candidate, Genetics Institute, Department of Biology 2013 – present  
Advisor: Dr. J. Gordon Burleigh  
Dissertation: Statistical and Genomics Perspectives on Diversification Models

### Jawaharlal Nehru University, New Delhi

Master of Technology, School of Computational and Integrative Sciences 2011 - 2013  
Advisor: Dr Andrew Michael Lynn  
Dissertation: Applications of Data-Mining techniques in Cheminformatics

### Kurukshetra University, Kurukshetra, India

Bachelor of Technology, Ambala College of Engineering  
2006 - 2010 Undergraduate advisor: Dr. G Lakshmi Kumari  
Major Project: Preparation of immunogen: T3-BSA and T4-BSA for production of Polyclonal Antibodies against 3, 3', 5-Triiodo-Thyronine (T3) and thyroxine (T4)  
Minor Project: Purification of Goat-anti-mouse antibody and its labeling with HRP

## Fellowships

Travel Grant (\$300) from National Science Policy Network	2018
Summer Fellowship (\$4000) from Biodiversity Institute at UF	2018
Travel Grant (\$600) for Macroevolution short course at Oregon State University, Corvallis	2017
Travel Stipend (\$500) from SSE to attend Evolution conference in Portland	2017
Teaching Assistantship from Department of Biology, UF	2014 -2018
Genetics and Genomics Graduate Student Research Fellowship, UF	2013- 2014
UGC research fellowship for Master's/ Doctoral Student	2011- 2013
JNU Research Student Fellowship	2011- 2013

## Awards

GATE (Graduate Aptitude Test in Engineering) All India rank 321 with 98.04 percentile	2011
GATE (Graduate Aptitude Test in Engineering) All India rank 380 with 96.63 percentile	2010
Qualified CSIR-UGC-JRF NET in Life Sciences with All India Rank 266	2010

## Posters

---

**Hans, N;** Ponciano J M, Burleigh J G. Characterizing the performance of species diversification models. Evolution Meeting, Portland, OR. July, 2017.

**Hans, N;** Kimball R., Braun E.L., and Burleigh J.G. Building Avian Tree of Life using Supermatrix .Florida Genetics Symposium. Gainesville, FL. November, 2014.

**Hans, N;** Yendrek C. , Ainsworth L. , Brown P. , Leakey A.D.B. ,Dalsing B. , Rios L. , Sorgini C. , Barrios-Perez E. , Erice G , Shim S, Leisne C, McIntyre LM. The impact of ozone growth and development in *Zea mays*. Florida Genetics Symposium. Gainesville, FL. November, 2013.

**Hans, N;** Bharti D., and Lynn A.M. Quantitative Structure Activity Relationships (QSAR) for targets against *Mycobacterium tuberculosis* using data-mining techniques. International Conference on Biomolecular forms and functions. Bangalore, India. January, 2013.

**Hans, N;** Mittal P, and GL Kumari. Production of Monoclonal antibodies against  $\alpha$ - and  $\beta$ - subunits of hCG. National Conference on Medical Biotechnology, Rohtak, India. Rohtak, India. April, 2010.

## Workshop and Symposia

---

Attended the Second Annual Science Policy Symposium by SEPA at Rockefeller University, NYC November 10<sup>th</sup>-11th 2018.

Participated in workshop on Molecular Evolution at MBL, Woods Hole, MA from July 19<sup>th</sup> to July 29<sup>th</sup> 2018.

Attended the Data and Software Carpentry Instructor training to become a certified instructor at University of Florida from March 3-4, 2018.

Attended Evolution 2017 conference at Portland Oregon.

Participated in the short course on Macroevolution and Diversification at Corvallis from June 23<sup>rd</sup> -24<sup>th</sup> , 2017

Organized Synthetic Biology Symposium at School of Computational and Integrative Sciences, JNU 2012. Co-organized with Rajan Shrivastava.

## Teaching

---

Teaching Assistant – Biological Science Online)	Fall 2018
Lead instructor: Dr Nicole Gerlach (UF Gainesville)	

Instructor – Lab in Biological Science for Non Majors (Online)	Summer 2018
Lab coordinator: Dr Kent Vliet (UF Gainesville)	

Teaching Assistant – Genetics	Spring 2018
Lead instructor: Dr Michelle Yoo (UF Gainesville)	

Instructor– X lab 2 (Pre-health Post-Baccalaureate Program)	Fall 2017
Lab coordinators: Dr David Jullian, Dr Gabriela Waschewsky (UF Gainesville)	

Teaching Assistant– Critical Analysis of Biological Research (Online) Spring 2017  
Lead instructors: Dr Norman Douglas, Dr Teresa Mutahi (UF Gainesville)

Instructor– X lab 1 Fall 2015, Summer 2016, Fall 2016  
Lab coordinators: Dr David Jullian, Dr Gabriela Waschewsky (UF Gainesville)

Instructor– X lab 2 Spring 2016  
Lab coordinators: Dr David Jullian, Dr Gabriela Waschewsky (UF Gainesville)

Graduate Lab Instructor– Integrated Principles of Biology Fall 2014, Spring 2015, Summer 2017  
Lab coordinator: Dr Kent Vliet (UF Gainesville)

### Research Internships

---

Quality control and testing drug dissolution rates. Atlas Pharmaceuticals. Haridwar, India. 2009

Cloning and expression of gene "X" Ranbaxy.Gurgaon,India 2008

### Professional Membership

---

Genetics Society of America  
Society for the Study of Evolution

### References

---

Dr. J. Gordon Burleigh, Associate Professor, Biology Department, University of Florida  
Email: [gburleigh@ufl.edu](mailto:gburleigh@ufl.edu)  
Phone: +1 352 392 2776

Dr. Rebecca Kimball, Professor, Biology Department, University of Florida, USA  
Email: [rkimball@ufl.edu](mailto:rkimball@ufl.edu)  
Phone: +1 352 846 3737

Dr. Mike Miyamoto, Professor, Biology Department, University of Florida, USA  
Email: [miyamoto@ufl.edu](mailto:miyamoto@ufl.edu)  
Phone: +1 352 392 3275

Dr. Andrew M. Lynn, Professor, School of Computational and Integrative Sciences, JNU, New Delhi  
Email: [andew@jnu.ac.in](mailto:andew@jnu.ac.in)  
Fax: +91-11-26704172