SUPRIYA JINDAL Ph.D

mail@supriyajindal.com

EDUCATION:

Doctor of Philosophy, Regulatory Biology (GPA - 3.95) **May 2019**
(specialization in Cellular and Molecular Medicine)
Dissertation: Role of ribosomal protein uS9/yS16 in translation initiation and elongation in yeast Saccharomyces cerevisiae
Center for Gene Regulation in Health and Disease
Cleveland State University, Ohio, USA

Masters of Science in Biochemistry **June 2010**
Dissertation: Structural and functional characterization of glycated casein
Aligarh Muslim University (AMU), India

Bachelors of Science in Biochemistry **June 2008**
Aligarh Muslim University (AMU), India

MEDICAL/SCIENTIFIC WRITING EXPERIENCE: Aug 2011- Sep 2022

- Learnt basic principles of medical/scientific writing by completing following online courses:
  - Science Journalism Master classes by The Open Notebook
  - 6weekcourse by Dr. Emma Hitt Nicholls
  - Writing in the Sciences by Dr. Kristin Sainani, Stanford University
- Extensive experience in literature survey, data analysis, grant writing, data formulation, PowerPoint and poster presentations.
- Proficient in using MS Word, MS Excel, MS PowerPoint, Adobe Acrobat and Blackboard Learning Management System.
- Writing portfolio

PUBLICATIONS & ABSTRACTS:

Publications

Jindal S., Ghosh A., Ismail A., Singh N., Komar A.A. Role of the uS9/yS16 C-terminal tail in translation initiation and elongation in Saccharomyces cerevisiae, Nucleic Acids Res., 2019, 806-823. **(Impact factor: 19.16)** PubMed

Ghosh A., **Jindal S**., Bentley A.A., Hinnebusch A.G. and Komar A.A. Rps5 and Rps16 communication is essential for efficient translation initiation in yeast Saccharomyces cerevisiae, Nucleic Acids Res., 2014 (13), 8537-55. **(Impact factor: 19.16)** PubMed

Singh N., **Jindal S.,** Ghosh A., Komar AA. Communication between RACK1/Asc1 and uS3 (Rps3) is essential for RACK1/Asc1 function in yeast Saccharomyces cerevisiae, Gene., 2019, 69-76. **(Impact factor: 3.96)** PubMed

Zinoviev A., Goyal A., **Jindal S.,** LaCava J., Komar A.A., Rodnina M.V., Hellen C.U.T., Pestova T.V. Functions of unconventional mammalian translational GTPases GTPBP1 and GTPBP2, Genes Dev., 2018, 1226-1241. **(Impact factor: 12.890)** PubMed

Yehia L., **Jindal S.,** Komar A.A., Eng C. Non-canonical role of cancer-associated mutant SEC23B in the ribosome biogenesis pathway, Human Mol Genet., 2018, 3154-3164. **(Impact factor: 5.12)** PubMed

Jindal S. and Naeem A. Consequential secondary structure alterations and aggregation during prolonged casein glycation, J Fluoresc., 2013 (3), 367-74. **(Impact factor: 2.217)** PubMed

Abstracts

Jindal S., Ghosh A., Singh N. and Komar A.A. The role of eukaryotic ribosomal protein uS9 in translation initiation and elongation. (2016) Abstract 146. Poster presentation delivered at the **Translational Control Meeting, Cold Spring Harbor Laboratory, NY.**

Jindal S., Ghosh A., Singh N. and Komar A.A. The role of eukaryotic ribosomal protein uS9 in translation initiation and elongation. (2016) Abstract 66. Poster presentation delivered at the **Rustbelt RNA meeting, Cleveland, OH.**

Jindal S., Ghosh A. and Komar A.A. Insights into the role of eukaryotic ribosomal protein uS9 in translation. (2014) Abstract 133. Poster presentation delivered at the **Translational Control Meeting, Cold Spring Harbor Laboratory, NY.**

SCHOLARSHIPS/AWARDS:

- **CMMS fellowship (2015-2017):** The fellowship is given to a single candidate from the Regulatory Biology PhD program at Cleveland State University. It is funded by the Cellular and Molecular medicine specialization program and pays for the stipend and full tuition of the student. CMMS Fellowship 2015-2017

- **Dissertation Research Award (2016-2017):** Grant award money of $5,000 by the university to contribute towards my dissertation research. DRA list- 2016-2017

- **CMMS travel award (2014 and 2016):** Travel Award to attend the “Translation control meeting at the Cold spring harbor Laboratory, NY.” from the Center for Gene regulation in Health and Disease, Cleveland State University.

- **SESSA scholarship (2011):** Merit based scholarship given to the outstanding students at the Aligarh Muslim University providing financial support to students attempting entrance exams and application fees for admission to universities in the United States. SSGSA Awardees 2010-11

TEACHING EXPERIENCE: **Aug 2011- May 2021**

- **10 years of undergraduate teaching experience**
- **Proficient in using Blackboard Learning Management System**

Part-time Lecturer, **Jan 2020 - May 2021**
Cleveland State University, Cleveland Ohio

- Taught three undergraduate courses such as Writing in Biology, Human Biology and Human Biology lab to a class size of approximately 25 students.
- Designed complete course syllabus including: course goals; required course materials; a course calendar, indicating lecture/discussion topics, reading assignments, in-class activities, quizzes, due dates for presentations, papers, etc.
- Used "Blackboard" as a LMS for delivering the course content (study materials, assignments), posting grades etc.
- Conducted synchronous sessions via zoom for class meetings at scheduled time. Also used "panopto" recorded lectures for course content delivery.
- Conducted online labs using “Connect Virtual Labs” from Mc Graw Hill.

Teaching assistant, **Aug 2011- June 2018**
Cleveland State University, Cleveland Ohio

- Taught a variety of undergraduate lab courses ranging from 100 to 200, 300 and 400 level.
- Compiled and delivered lectures—explained challenging concepts to students.
- Graded weekly quizzes and lab reports and provided one-one feedback on the lab techniques to students.
- Composed and graded weekly quizzes and the final lab exams to assess student's logical thinking and grasp on the lab assignments.
- Promoted student success by making myself available to students outside of classroom and office hours, through email and special appointments.
- Worked with the course instructor to suggest changes in the syllabus.

Research mentoring experience, **May 2013- Sep 2017**
Cleveland State University, Cleveland Ohio

- Supervised and mentored graduate, undergraduate and high school students.
- Made research schedule and provided guidance throughout the projects.
- Taught wet lab skills and techniques as well as data analysis tools and software.

SCHOLASTIC PERFORMANCE IN COURSE WORK DURING PhD PROGRAM

Course	Description	Grade
BIO 704	Biological Chemistry	A
BIO 872	DNA World	A
BIO 872	Protein World	A
BIO 804	Cell Biology	A
PSY 511	Univariate Statistics	A
BIO 810	Molecular Biology and Genetics	A
BIO 872	Stem Cells	A

VOLUNTEER WORK:

- Certified Breathwork and Meditation instructor with the International association of Human Values (IAHV) to teach stress management skills such as breathing techniques, emotional intelligence, social connection exercises etc.
- Taught breathwork and meditation to100s of people, including students from several Universities in Ohio.
- Organized and led more than 100 introductory experiential workshops on yoga, breathwork and meditation.
- Founder, ex-president and mentor of the first yoga and meditation club on the Cleveland State University campus.
    - Self-raised funds of $2500 to start the club.
    - Received grants of up to $10,000 from the university for the club.