

Dr. Gargi Roy Goswami

Academician by Passion, Entrepreneur by Virtue & Scientist by Heart

Key Areas Of Interest: Oral Cancer Genetics, Saliva Diagnostics, Research and Therapeutics

Subject Expertise: Genetics, Biochemistry, Molecular Biology, General Dentistry



Director@ "KROYNAS Pvt. Ltd."
www.genedent.com
+91 7601031049
dentalgeneticsacademy@gmail.com

Present involvements

Founder and Director at Indian Academy For Clinical And Dental Genetics, Chennai

Founder and Chairman of International Summit of Saliva Symposium India ([SALSI](#))

Editor-in- Chief, GENOME DEN, Interdisciplinary E-magazine Focused on Dental Genetics, Saliva Diagnostics and Research, Healthcare Innovations, Lifestyle Disorders and Covid19 Science Updates

Founder, Research Idea Awards (Cash prize Awards) for Science Undergraduates and Postgraduates

Honorary Invited Peer Reviewer, National Research Foundation, South Africa

Reviewer at Archives of Microbiology, Springer Journals

Section Editor (Dental) at Journal Of Biomedical And Therapeutic Sciences

Adjunct Faculty (Research And Development) at Saveetha University, Chennai

Geneticist and General Dentist at "The Dental Home", West Bengal, India

Facilitator in Students Health Home, Berhampore, a non-profit **Government organization** which delivers medical treatment to students entirely free of cost. I have pioneered in setting up the dental facility at Students' health home, Berhampore

Past involvements

Junior Research Fellow at School of Biotechnology, **Jawaharlal Nehru University (JNU)**, New Delhi, with more than **3 years research experience in the field of Oral cancer. (2005 -**

Project Associate at School of Medical Sciences and Technology, **IIT Kharagpur**, West Bengal, [Aug 2008 to Apr 2009]

Program Founder and Chief Consultant (Fellowship in Dental Genetics Course and visiting Faculty), Department of Scientific and Educational Program (DSEP), **Indian Dental Association (IDA)**, Head Office, Mumbai, Maharashtra, India

Coordinator India at International Board Of Saliva Diagnostic Science (IBSDS), Denmark

Qualifications

Bachelor of Dental Surgery (BDS) from Rajiv Gandhi University of Health sciences, Bangalore. (2009-2015)

Certificate course in Dental Lasers (soft tissue and hard tissue), 2014

M.Sc. Applied Genetics, Bangalore University.(2002-2004)

Other certificate courses:

Certificate in Genomic Medicine (Online course)

Certificate in Digital Marketing (Accenture)

Certificate in Food technology, Jadavpur University, West Bengal

Certificate in Medical transcription, IOL Academy, Kolkata, West Bengal

Certificate in Environmental Analyst, West Bengal Govt. Technical Education Dept.

Key work proficiencies

Dental skills:

- Hard and soft tissue lasers
- Root canal treatment
- Impaction
- Bleaching
- Direct and indirect veneers
- Restorations: Composite, GIC, Miracle mix, Amalgam
- CD, RPD
- Extractions

Cell culture techniques:

- Mammalian cell culture and subculturing
- Maintenance of tissue culture room
- Preparation of media, etc.

Molecular biology techniques:

• DNA (plasmid & genomic) isolation,
• RNA isolation
• Competent cells preparation
• Media preparation (bacterial culture)
• Cloning (siRNA, Short hairpin RNA)
• Native PAGE
• Protein isolation,
• SDS-PAGE
• Gel electrophoresis
• Chipassay, etc.

Immunological techniques:

• Elisa
• Western blotting
• Immunoprecipitation
• Immunocytochemistry, etc.

Cytogenetics

• Isolation of human chromosomes
• Slide preparation
• Giemsa staining
• Karyotyping

Speaker

- World Dental Show, 2016, Mumbai
- Integri Teeth, Season V 2018, D Y Patil University, Navi Mumbai
- Safdarjung Hospital, 2017, New Delhi
- Indian Dental Conference (IDC), 2018, Bhubaneswar
- International Dental Conference, 2018, Chennai
- World Health Day 2018, Ragas Dental College and Hospital, Chennai
- XVII National IAOMP Postgraduate Convention, 2018, Chennai
- 57th MSDC , 2018, Pune
- IIT Hyderabad, 2018
- Saveetha Dental College, 2018
- Thai Moogambigai Dental College and Hospital, 2019
- Priyadarshini Dental College, 2019
- Acharya Bangalore Business School, 2019
- World Dental Conference, 2020
- Dental Reach Digital Conference and Awards, 2020

Awards and recognition

- Special Jury award of FAMDENT Dental Entrepreneur of the year, 2017
- Indian Dental Diva Young achiever's award 2018

Workshops / CDE Program / Events Conducted

- Mentoring at regular Online Courses in interdisciplinary scientific fields of Saliva research and diagnostics, and Dental genetics 2018 onwards
- SALIVONOMICS: A One Day Workshop in Saliva Diagnostics and Genomics, July 2019 Times Foundation, Times Of India, Bangalore
- First International Summit of Saliva Symposium India 2019 (Jan 31 – Feb 2, 2019) in Chennai, for the first time in India.
- One Day CDE program in Dental Genetics, January 2019, SRM Dental College and Hospital
- One Day CDE program in Dental Genetics, March 2019, Saveetha Dental College And Hospital
- The Body's mirror workshop 2018 popularly known as The BMW (Salivary diagnostics and Public speaking skills) in Chennai, Mumbai, Kolkata
- Dental Genetics in routine clinical practice August, 2017 at Haaridaan Dental Academy, Bengaluru
- Chairside Dental Genetics, July 2017 at Indian Dental Association (IDA) Head Office, Mumbai
- Workshop on Salivary Diagnostics, May 2017 at Indian Dental Association (IDA) Head Office, Mumbai
- One day CDE program on Dental Genetics (17 November 2016) at Dr Kirpa Johar's Academy, Bangalore

Paper presentations

Sl no.	Title	Conference	Date	Venue
1	Tumor Markers in oral cancer detection	5th annual conference, Association of Oral and Maxillofacial Surgeons of India-Karnataka state chapter	6 th – 7 th Mar 2015	R V Dental College, Bangalore
2	Salivary microRNAs in the detection of oral cancer" (awarded best paper)	68th Indian Dental Conference	13 th – 15 th Feb 2015	Mapho convention centre, Bangalore

Poster presentation

1	MicroRNAs in dentistry	2nd interstate & 42nd Karnataka State Dental Conference	28 th – 30 th Nov 2014	Mangalore
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2	Poster presentation	Symposium on Trends in Molecular and Applied Approaches of Reproduction	4 th – 6 th Feb 2005	Indian Institute of Chemical Biology, Kolkata
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3	Poster presentation	Seminar on Updates in Genetics	Feb-2003	M S Ramaiah medical College, Bangalore
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National collaborations:

Haaridaan Dental Academy, Bengaluru, Karnataka, India

International collaborations:

Oasis Diagnostics, USA
JBR Group of Healthcare and Research, Denmark
University Of Western Cape, South Africa

Extracurricular activities:

Professional dancer, Indian Classical – Kathak (Jaipur gharana)
Painting
Blog writing

Websites:

- www.genedent.com (Company website)
- www.genomeden.com (Online free e-magazine)
- www.salsi.in (SALSI)

Interviewed By:

1. Mr Robert Yates, Founder Follow App, Australia
Where the Fortune Is
2. Tooth Talk with Your Dentist by Dentaire, India
3. Career Horizons by Oral Pathology India

Published Articles:

1. **Personalising Prescription (Cover Story Article)** @ Pharmafocus Asia Magazine, Issue 42, 2021
2. **8 Pointers To Enrich Behavioural Strategies During Covid19 Pandemic** @ Medium.com
3. **Importance of Genetics Education in Dentistry - A Candid Perspective** @ Dental Reach, Digital Dental Magazine, November 2020

4. **Dental Genetics: Explore The Unknown To Enhance Your Clinical Practice, Famdent Dental Magazine, 2017**

Publications under review and ongoing:

1. **Origin and Evolution of Eukaryotes- a mitochondrial perspective**
2. **Salivary Biomarkers for OMPD**
3. **Covid19 Diagnostic Tests**



Dr. Gargi Roy Goswami

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