CURRICULAM VITAE

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INDRANEEL GHOSH Ph.D.

OBJECTIVE

A challenging career in the field of discovery biology with constant value addition.

EXPERTISE OVERVIEW

- Pharmaceutical professional with extensive experience in drug discovery & development in Oncology and Neurology
- Broad managerial experience in strategy, technical planning and implementation, intellectual property, team building and staff development.
- Experience in business development, technology and product assessment and due diligence activities for in- and out-licensing activities.
- Establishing collaborative projects with synergistic partners.

EXPERIENCE

June 2020 – Till Date:

Country Manager - Point of Care Therapeutics, ORGENESIS INC. (NASDAQ-ORGS) Maryland USA.

October 2018- May 2020

Independent Consultancies

- Consultant to Glenmark Pharmaceuticals on drug discovery and repurposing (505B)
- Consultant to RamNath and Company Chennai on product development for EU
- Consultant to Prerna Biosciences Ahmedabad on product development

September 2013- June2018 at SPARC, Vadodara:

Deputy General Manager at the Systems Biology Department of Sun Pharmaceuticals Advanced Research Centre Limited (SPARC), Vadodara Gujarat.

April 2015-April2016:

Senior Manager at the Systems Biology Department of SPARC, Vadodara Gujarat.

September 2013-March 2015:

Manager at the Systems Biology Department of SPARC, Vadodara Gujarat.

May2011-August 2013:

Senior Research Scientist, Molecular Biology Laboratory, at Glenmark Pharmaceuticals Ltd, Navi Mumbai.

October 2007– May2011*:*

Principal Scientist, Project Leader neuroscience, Advinus Therapeutics Pvt. Ltd (TATA Enterprise), Pune.

ATTRIBUTES AND EXPERTISE

MANAGERIAL ATTRIBUTES

- An adaptable, proactive and tenacious team leader with excellent communication skills who quickly learns, assimilates and implements necessary information to realize individual and organizational goals
- Mentoring, training, evaluating and motivating team members
- Ability to work with cross functional groups
- Ability to create confidence and reliability in relationships
- Ability to work under pressure, and prioritize work to meet project objectives
- Analytical capacity with strategic agility
- Action and result oriented, respecting time and schedules

ACADEMIC RESEARCH

Post Doctoral Studies at The Weizmann Institute of Science, Israel.

September 2006- September 2007*:*

Laboratory of Prof. Orly Reiner at The Weizmann Institute of Science, Israel.

Role of Lis1 in cancer

Doctoral Studies at The Weizmann Institute of Science, Israel.

July 2001- September 2006:

Doctoral studies under the supervision of Prof. Orly Reiner.

Thesis Title: PAFAH1b1, Functional Analysis of the Subunits

Key Findings:

- This study establishes that LIS1 along with NDEL1 and Cytoplasmic Dynein participates in the process of nucleokinesis during neuronal migration
- The absence of the α catalytic subunits of PAFAH leads to hyper-excitation of hippocampal neurons as well as loss of synaptic plasticity in these neurons leading to loss of Long Term Potentiation and Long Term Depression (memory loss).
- The catalytic subunits of PAFAH can affect both Golgi distribution and transport leding to male infertility and change in behavioral pattern

ACADEMIC PROFILE

- **Post Doctoral research in molecular neurosciences (Sept 2006 - Sept 2007)**

  Institute: The Weizmann Institute of Science, Israel.

  Project Title: Role of PAFAH1b1 subunits in the Wnt pathway

- **Ph.D in molecular neurosciences (July 2001 - Sept 2006)**

  Institute: The Weizmann Institute of Science, Israel.

  Thesis Title: PAFAH1b1, Functional Analysis of the Subunits

- **M.Sc Microbiology (August 1993 - August 1995)**

  University: Maharaja Sayajirao University, Vadodara, India.

  Dissertation Title: "A study of halotolerant acid phosphatase from *Aspergillus repens*."

  A putative mechanism for Na^+/K^+ ATPase mediated halotolerance, was proposed.

- **B.Sc Microbiology (July 1990 - July 1993)**

  Educational Institution: Maulana Azad College , Aurangabad.

  University: Marathwada University, Aurangabad.

- **Pre Degree (March 1987 - March 1989)**
  Educational Institution: Bidhan Chandra Institution, Durgapur, and W. Bengal.

- **X Std (March 1987)**
  Educational Institution: St. Xavier's School, Durgapur, W. Bengal, I.C.S.E Board.

PUBLICATIONS

1. **DCX a new mediator of the JNK pathway**

   Gdalyahu A*,**Ghosh I***, Levy, T, Sapir T, Spoznik S, Fishler Y, Azolai D, Reiner, O.

(*: EQUAL FIRST AUTHOR)

EMBO. J. (2004) 23(4):823-32.

2. **DCX's phosphorylation by not just another kinase (JNK)**

   Reiner O, Gdalyahu A, **Ghosh I**, Levy T, Sapoznik S, Nir R, Sapir T.

   Cell Cycle. (2004) Jun;3(6):747-51

3. **PAF-AH catalytic subunits modulate the Wnt pathway in developing GABAergic neurons**

   Livant I, Finkelshtein D, **Ghosh I**, Arai H, and Reiner O.

   Front. Cell. Neurosci. (2010) 4(19):1-12.

   This paper was included in the Frontiers Research Topic Compilation titled "GABA Signaling In Health and Disease", hosted by Yehezkel Ben-Ari

4. **Transient Receptor Potential Ankyrin 1 Receptor Activation *in-vitro* and *in-vivo* by Pro - tussive Agents GRC 17536 as a Promising Anti-Tussive Therapeutic**

   Indranil Mukhopadhyay, Abhay Kulkarni, Sarika Aranake, Pallavi Karnik, Mahesh Shetty, Sandeep Thorat, **Indraneel Ghosh**, Dinesh Wale, Vikram Bhosale and Neelima Khairatkar-Joshi

   PLOS ONE 1 May 2014, 9(5): e97005.

5. **A_{2B} adenosine receptor antagonists: Design, synthesis and biological evaluation of novel xanthine derivatives**

   Basu S, Barawkar D, Ramdas V, Waman , Patel M, Panmand A, Kumar S, Thorat S, Bonagiri R, Jadhav D, Mukhopadhyay P, Prasad, Reddy BS, Goswami A, Chaturvedi S, Menon S, Quraishi A, **Ghosh I**, Dusange S, Paliwal S, Kulkarni A, Karande V, Thakre R, Bedse G, Rouduri S, Gundu J, Palle VP, Chugh A, Mookhtiar KA.

   Eur J Med Chem. 2017 Feb 15;127:986-996

6. **Design, Synthesis of Novel, Potent, Selective, Orally Bio-available Adenosine A_{2A} Receptor Antagonists and Their Biological Evaluation**

   Basu S, Barawkar DA, Thorat S, Shejul YD, Patel M, Naykodi M, Jain V, Salve Y, Prasad V, Chaudhary S, **Ghosh I**, Bhat G, Quraishi A, Patil H, Ansari S, Menon S, Unadkat V, Thakare R, Seervi MS, Meru AV, De S, Bhamidipati RK, Rouduri SR, Palle VP, Chug A, Mookhtiar KA.

   J Med Chem. 2017 Jan 26;60(2):681-694

7. **Discovery of Potent and Selective A2A Antagonists with Efficacy in Animal Models of Parkinson's Disease and Depression**

   Basu S, Barawkar DA, Ramdas V, Naykodi M, Yogesh D. S., Patel M, Thorat S, Panmand A, Kashinath K, Bonagiri R., Prasad V, Bhat G., Quraishi A, Chaudhary S, Magdum A, Meru AV, **Ghosh I**, Bhamidipati RK, Raje A.A., Vamsi L. M. M, De S, Rouduri SR, Palle VP, Chug A, Hariharan N, and Mookhtiar KA.

ACS Med. Chem. Lett., Article ASAP Publication Date (Web): July 5, 2017 (DOI: 10.1021/acsmedchemlett.7b00175)

PATENTS

1. **Joint antibody Patent**

   Joint Patent holder with Orly Reiner, Talia Levy,Amos Gdalyahu and The Weizmann Institute of Science for mouse monoclonal anti-DCX antibody.

2. **Joint NCE patents in oncology**

a. The invention provides novel heterocyclic compounds as anticancer agents, especially as estrogen receptor (ER) antagonists/ degraders and process for their preparation (WO2017072792 A1)

b. The invention provides novel N-aryl containing fused heterocyclic compounds as anticancer agents, especially as estrogen receptor (ER) antagonists/ degraders and process for their preparation (WO2017056115 A1)

ORAL PRESENTATION

"Influence of PAFAH Catalytic Subunits on Microtubule Dynamics "

Indraneel Ghosh*, Fabrice P. Cordelières,* Junken Aoki and Orly Reiner .

(* - **EQUAL CONTRIBUTION**)

The 21st European Cytoskeleton Forum October 31st to November 4th 2006

Biopolis, Singapore.

POSTERS PRESENTED

1. "**DCX and development**"

Ghosh I, Gdalyahu A, Levy, T, Caspi M, Reiner, O.

Neuronal Plasticity 9 (2), 85 (2002)

Israeli Society For Neuroscience meeting.

2. "**Linking Lissencephaly type I genes to MAPK pathway**"

Ghosh I, Gdalyahu A, Levy, T, Caspi M, Reiner, O.

Neuronal Plasticity 9 (2), 84 (2002)

Israeli Society For Neuroscience meeting.

3. "**Doublecortin, a new mediator of the JNK pathway** "

Ghosh I, Gdalyahu A, Levy T, Sapir T, Sapoznik S and Reiner O.

FEBS meeting, on cytoskeleton dynamics, Helsinki, Finland (2004).

4. "**Role Of The Catalytic Subunits of PAFAH in Neuronal Migration**"

Ghosh I, Reiner O.

FEBS/ESF WORKSHOP on Integrated Approaches in Cytoskeleton Research.

Luxembourg-City – Luxembourg (2005).

AWARDS AND HONOURS

- Member of International Union of Biochemistry and Molecular Biology (IUBMB) from June 2004 to December 2006
- Received FEBS Youth Travel Fellowship award for three consecutive years (2004, 2005 and 2006) to present my work at The European Cytoskeleton Forum
- Editorial board member of :
    - International Journal of Cell Biology and Cellular Processes
    - International Journal of Molecular Biotechnology
    - International Journal of Biochemistry and Biomolecules
- Member of the academic council of the University and Institute of Advanced Research, Gandhinagar, Kobe, Gujarat.
- Member of CII Task force on Start-ups in Biotechnology.
- Invited member of Association of Industry Leaders for Insight Alpha
- Invited speaker at "Evolving Technologies and Emerging Challenges in Bioanalysis and Biotransformation in Drug Discovery and Development", a conference organized by the Indian chapter of The Boston Society, APA-India (28 February - 01 March, 2016) Bangalore.
- Invited speaker at "Exploring Advances in Biological Sciences (EABS-2016)", a UGC-CAS Sponsored National Symposium organized by the Post Graduate Department of Biosciences, Sardar Patel University on 5th March 2016.
- Invited panelist at mini symposium titled "A platform to develop monocolnal antibodies for cancer immunotherapy in India" 20th July 2017, the Hilton International Hotel, Sahar, Mumbai, India

PERSONAL DETAILS

Date of Birth: April 5th 1971

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CURRICULAM VITAE indraneelghosh@yahoo.com
+91-9687481881

Permanent Address: 33-Pratham Riviera, 30 Mtr Bil Canal Road, Near Cosmo House, Atladara, Gujarat-390012

PROMINENT PERSONALITY TRAITS

Mental Make Up	:	Confident, Adventurous and Positive outlook towards life.
Skills	:	Analytical, Articulate, Comprehensive, and Motivated.
Strength	:	Hardworking, Dedicated, Innovative and Ready to accept challenges.
Weakness	:	Obsession with perfection and drive for innovation might sometime lead to temporary digression from primary objective.
Languages	:	English, Bengali, Hindi, Marathi, Gujarati.
Interests	:	Sketching, Numismatist.

REFERENCES

Upon Request

DECLARATION

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Place: Vadodara,Gujarat, India.
Date: 18 July 2020 (Signature)