



One of India's Biggest Evolutionary Movements in Biology

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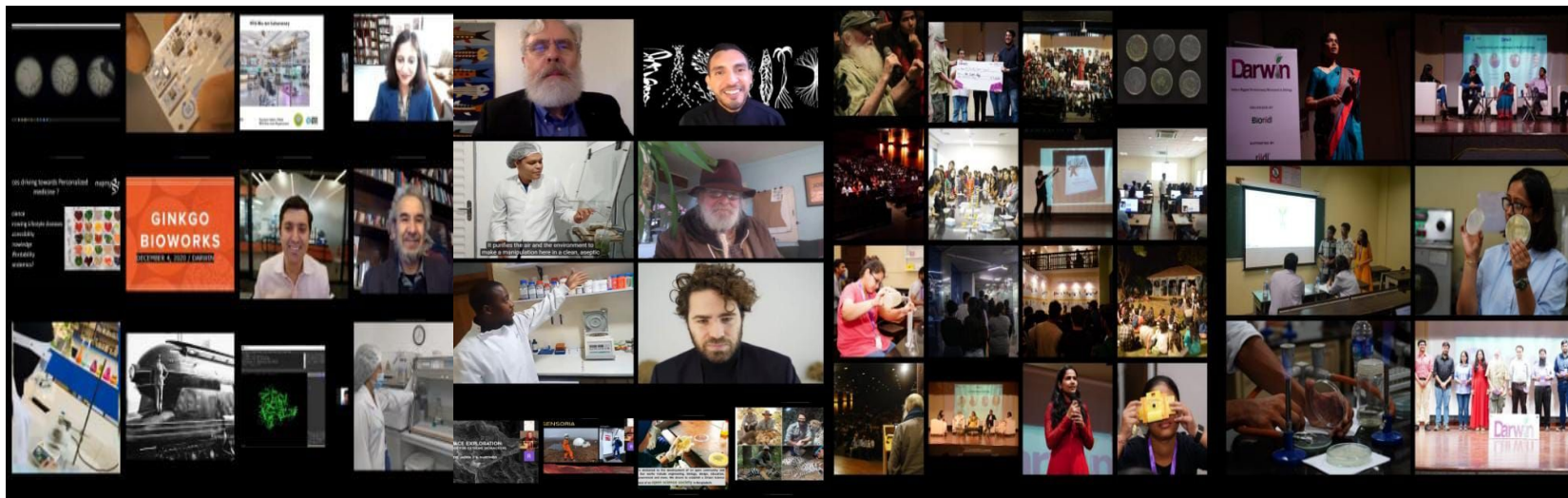
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DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology



Overview



Events:

Speaker Sessions

Panel Discussions

Virtual Tours

Virtual Workshops

Research Symposium

Regional Conferences

Conference Proceedings

Theme for 2021: Cutting Edge Biology

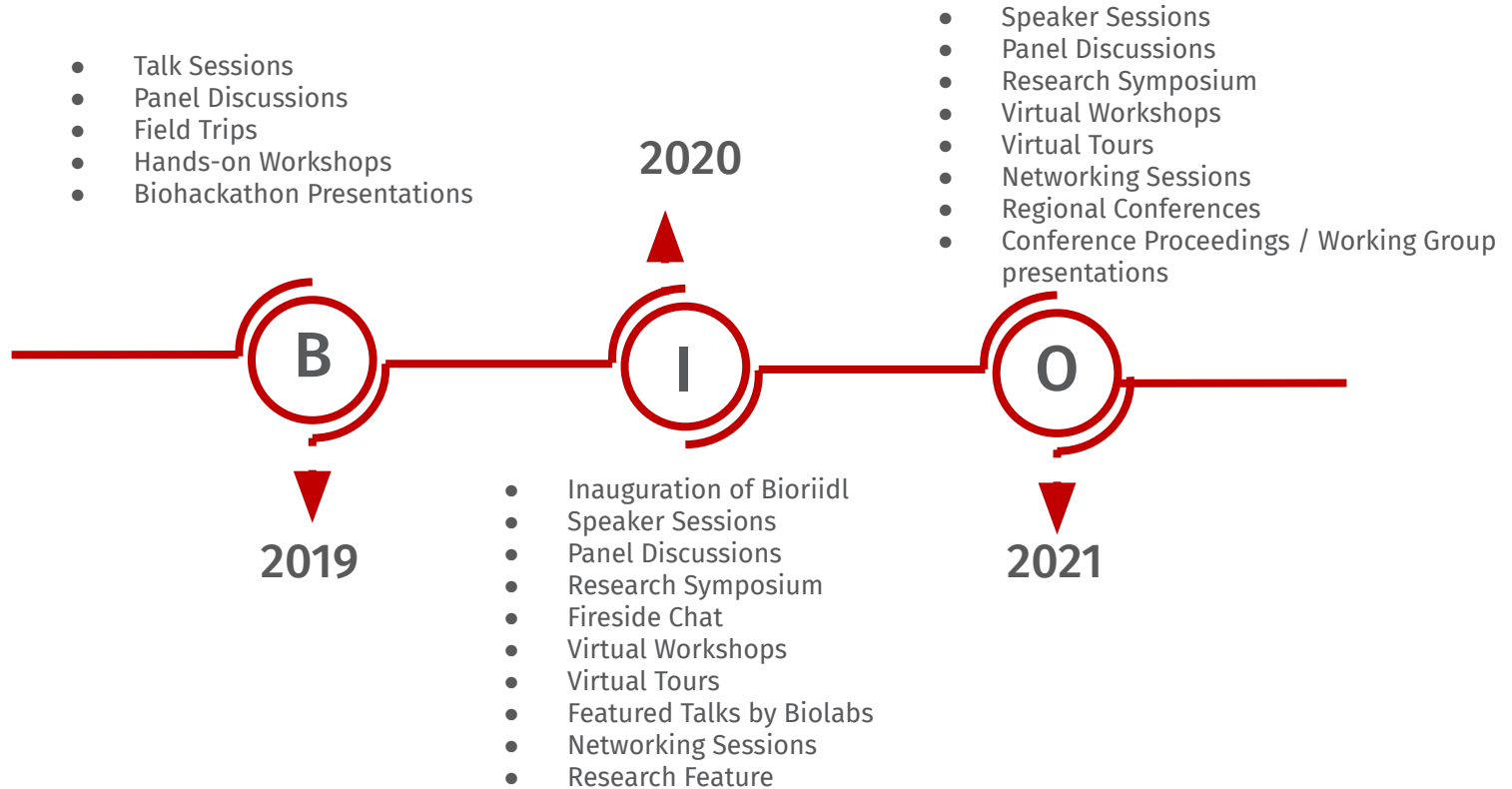
Day 1 - Inauguration

Day 2 - Cell Biology

Day 3 - BioArt

Day 4 - Medical Biology

Past 2 years at Darwin



Impact created in last 2 years

(2019 to present)

1500+

Attendees
Participation

200+

Attendees
(Outside APAC)

10,000+

Online
Bio-Community

29

Countries
Participated

47

Biohackers Project
Presentations

200+

Organising Members
(Across the World)

2000+

Participants trained
through Hands-On
workshops

35

Publications /
Media Coverage

43

Research Symposium
Paper Presentations

9

Papers
Published

5

Projects
Funded

20

Community Partners &
Sponsors



Speaker Sessions

Various scientists and researchers have been invited to share their expertise on the subject at hand. Speaker Sessions by key pioneers is something we promise to deliver to make sure that the experience is worth it.

Speaker 1



Oron Catts is an artist, researcher, designer and curator whose pioneering work with the Tissue Culture and Art Project which he established in 1996 is considered a leading biological art project. Catts' ideas and projects reach beyond the confines of art; his work is often cited as inspiration to diverse areas such as new materials, textiles, design, architecture, ethics, fiction, and food. Catts curated nine exhibitions, developed numerous artistic projects and performances.

Mr. Oron Catts

Director, SymbioticA,
The Centre of Excellence in Biological Arts, School of Human Sciences,
The University of Western Australia

Speaker 2



Anna Dumitriu (1969) is an award winning, internationally renowned, British artist who works with BioArt, sculpture, installation, and digital media to explore our relationship to infectious diseases, synthetic biology and robotics. Her work is featured in many books including Bio Art: Altered Realities published by Thames and Hudson in 2016 and many other significant publications across contemporary art and science including Frieze, Artforum International Magazine, Leonardo Journal, The Art Newspaper, Art Quarterly, Nature and The Lancet. Dumitriu is director of The Institute of Unnecessary Research (IUR), a global hub for artists and researchers working experimentally with curiosity-driven research which she founded in 2004.

Ms. Anna Dumitriu

Director, The Institute of Unnecessary Research

Speaker 3



Dr. Jennifer Willet

Director, INCUBATOR art lab

Dr. Jennifer Willet is the Director of INCUBATOR art lab & a Canada Research Chair in Art, Science & Ecology at the University of Windsor. In 2017, Willet was inducted into the College of New Scholars, Artists, & Scientists of the Royal Society of Canada.

Willet is an internationally recognized artist & curator in the emerging field of BioArt. Her research resides at the intersection of art & science, & explores notions of representation, the body, ecologies, & interspecies interrelations in the biotechnological field. She engages in performance, installation, photography & sculpture based artistic practices, community arts & social practice, & philosophy of science, media studies, science & technology studies, combined with protocols & life forms from the biological sciences.



Panel Discussions

1. Cell and Developmental Biology: Perspectives from around the Globe
2. Redesigning the Future of Science with BioArt
3. The Aging Clock: A curable disease or an inevitable process?

Redesigning the Future of Science with BioArt

Panelist 1



Dr. Nathan Walworth

Co-Founder & VP of Science,
Project Vesta

Dr. Nathan Walworth (PhD) is an entrepreneurial climate scientist and futurist whose work lies at the intersection of exponential tech, carbon removal, regeneration, culture prediction, experience design, DNA sequencing, and the marine microbiome. His environmental research has taken him from the Tropics to Antarctica. He is also Co-founder of the NEXUS Impact Accelerator where he accelerates companies across tackling the UN Sustainable Development Goals. He also serves on the Advisory Board for the AI-driven culture prediction company, sparks & honey, where he blends cultural signals with his business and scientific background to advise companies on future cultural trends.

Panelist 2



Dr. Ionat Zurr

Chairperson,
Fine Arts Discipline,
School of Design

Ionat Zurr is an artist researcher who is considered to be a pioneer and a leader in the field of Biological Arts (or bioart). She is Chair of the Fine Arts Discipline at the [School of Design](#) and academic coordinator of SymbioticA at the [School of Human Sciences](#) at UWA.

Ionat's artist studio is the laboratory where she works with living cells as an artistic palette. Ionat critically explores the aesthetic, ethical and cultural implications of using life as a technology and its effects on bodies and ecologies. Her collaborative work includes a tiny jacket grown from mouse embryonic stem cells as an ironic sustainable solution; a tissue-engineered frog steak and a six-tonne compost pile used as a heating mechanism for growing cells in a custom-made incubator.

Panelist 3



Ms. Stacy Switzer

Curator & Executive Director,
Fathomers

Stacy Switzer is curator and executive director of Fathomers & served as artistic director of Grand Arts from 2004-2015. Her current projects in development include the bioart survey *Emergence: A Genealogy*, supported by the Getty Foundation and opening in Los Angeles in 2024. In 2002, Switzer curated the first exhibition in the United States to include work by Oron Catts and Ionat Zurr's Tissue Culture and Art Project. She has been a visiting lecturer, critic and consultant for Creative Capital, Sotheby's Institute, the Jerome Foundation, and the Philadelphia Exhibitions Initiative, among others. With Annie Fischer, Switzer is co-editor of *Problems and Provocations: Grand Arts 1995-2015*.

Panelist 4



Suzanne Anker is a Bio Art pioneer, visual artist and theorist working at the intersection of art and the biological sciences. Her practice investigates the ways in which nature is being altered in the 21st century. Concerned with genetics, climate change, species extinction and toxic degradation, she calls attention to the beauty of life and the “necessity for enlightened thinking about nature’s ‘tangled bank.’” She works in a variety of mediums ranging from digital sculpture and installation to large-scale photography to plants grown by LED lights.

Ms. Suzanne Anker

Chairperson,
SVA BioArt Lab



Virtual Tours

Virtual Tours to various institutes and labs to make the attendees understand global innovation culture.

Confirmed Tours:

- BioArt Laboratories, Netherlands
- 2 more to be confirmed.

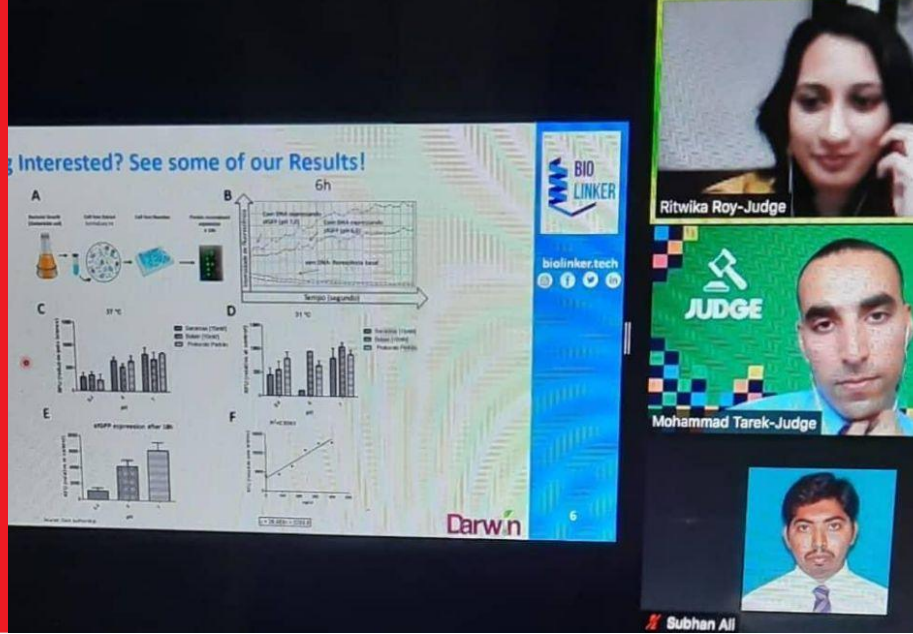


Virtual Workshops

Virtual workshops to provide Do-It-Yourself biology experiences and an insight into various advances and technologies in the biotechnology field.

Confirmed Workshops:

- DIY Bioreactor
- Science Communication through art
- and many more to be confirmed.



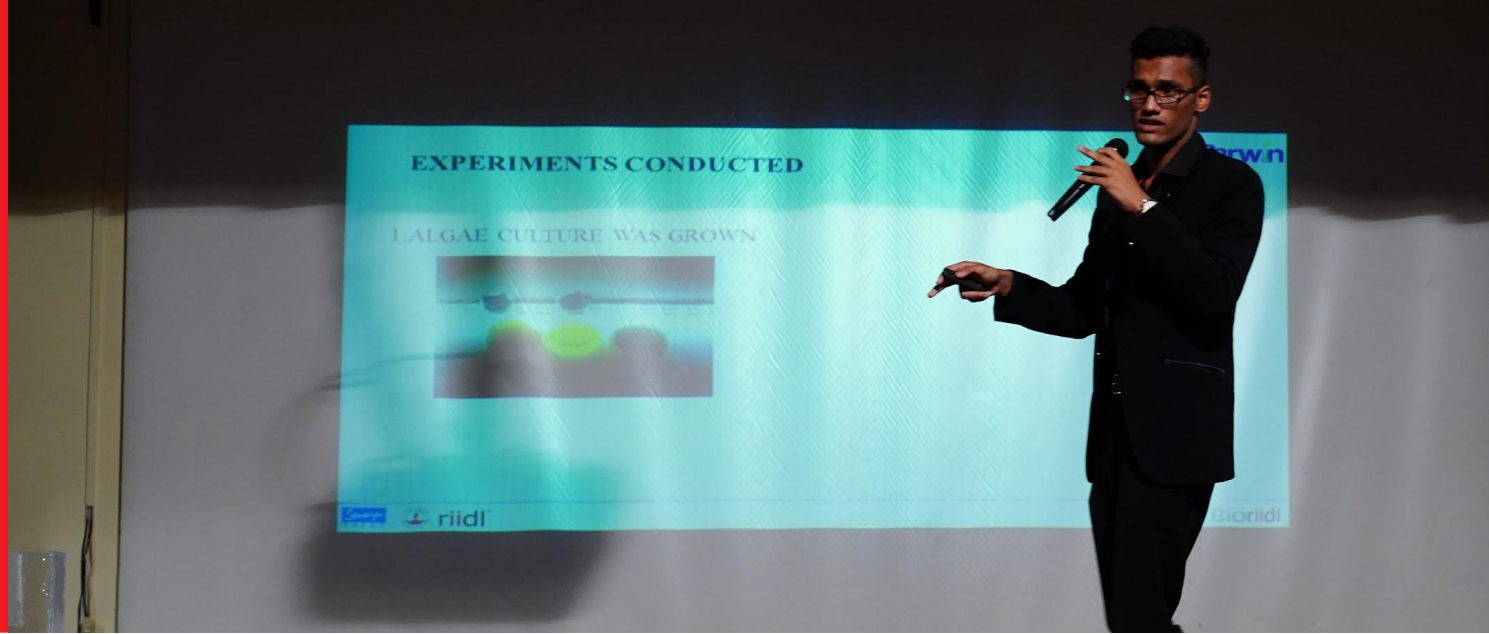
Research Symposium

A platform for researchers to exhibit their research papers and get their work published in reputed journals. The attendees will be introduced to other researches and innovations in the Life Science domain happening around the globe.



Regional Conference

Regional Conferences are segments of the main conference conducted in different regions of the world. They will be conducted by biolabs, community labs, and research communities from across the world to overcome the time zone differences around the world and the existing language barrier.



Conference Proceedings

Conference Proceedings will comprise of Working Groups of Darwin 2020 presenting their research work in the conference and getting it published. 13 Working Groups were formed post Darwin 2020 initiated by research leaders working on various research topics in the biotechnology domain.

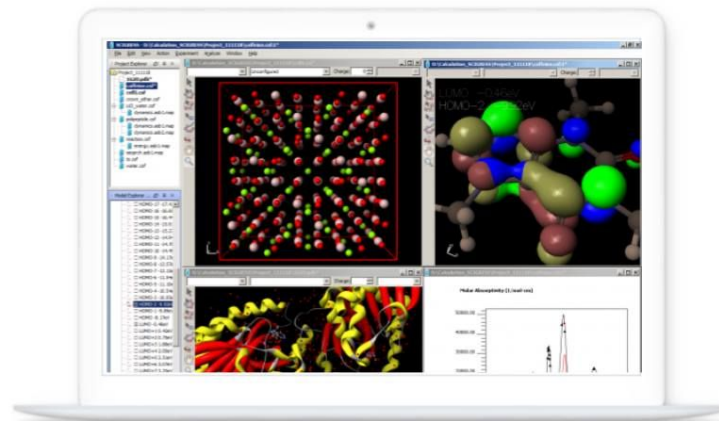
Conference Details

Important Dates

	Start Date	End Date
Attendee Registration	August 01	November 20
Conference Dates	December 02	December 05

Molecular Modelling of Proteins Virtual Workshop

by Moni Philip Jacob K



Pre-Event #1

Pre-requisites to attend: Basic Knowledge on Protein Sequence Databases & Bioinformatics

Topics Covered:

- Gene Annotation
 - Modelling using AI/Machine Learning
 - Ramachandran Plot
- and many more!

Date: 27th June 2021 at 4.00 PM IST

Platform: Zoom - Closed Paid event

Scientific Writing Masterclass

29th July 2021
2:00PM – 4:00PM

Basics of Scientific Writing: Key Principles, Purpose & more...

30th July 2021
2:00PM – 4:00PM

Systematic Literature Search & Review, Outline Preparation & Plagiarism

31st July 2021
2:00PM – 4:00PM

Academic Writing Tools & Research Softwares

1st August 2021
2:00PM – 4:00PM

Publication of Scientific Literature in Academic Journals



Pre-Event #2

Date: 29th July 2021 to 1st August 2021 - 2:00 to 4.00 PM IST each day

Platform: Zoom - Closed Paid event

Ms. Bhavna Pandya
Innovation Catalyst, riidl
Head, Bioriidl



Women in Science - Instagram LIVE Series

#1 - Role of Open Science in the Thriving Research Community

Date: 17th July 2021 - 7.00 PM to 7:30 PM IST

Platform: Instagram LIVE - [instagram.com/darwinindia/](https://www.instagram.com/darwinindia/)



Dr. Martina Ribar Hesticová
SciComm Manager, Lonza

Women in Science - Instagram LIVE Series

#2 - Science Journalism: A new Researcher's Perspective

Date: 24th July 2021 - 7.00 PM to 7:30 PM IST

Platform: Instagram LIVE - [instagram.com/darwinindia/](https://www.instagram.com/darwinindia/)

Ms. Frankie Lewns
PhD student,
University of Birmingham



Women in Science - Instagram LIVE Series

#3 - Emerging field of Biomaterials Science: Advancements and Opportunities

Date: 31st July 2021 - 7.00 PM to 7:30 PM IST

Platform: Instagram LIVE - [instagram.com/darwinindia/](https://www.instagram.com/darwinindia/)