



Monthly Newsletter of Guwahati Biotech Park

today

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NORTH EAST BIO START LIFE SCIENCES START-UP DRIVE

A Three-day program on “North East BIO START, LIFE SCIENCES START -UP DRIVE” was organized by Guwahati Biotech Park from 3rd - 5th April, 2018. The program was structured so as to sensitize and fuel up the innovation, incubation and entrepreneurship ecosystem in the NE Region along with the final round of GBP’s “Talent Search Contest (TSC) on Innovative Research Ideas Leading to Entrepreneurial Venture in Biotechnology and Allied Areas”

The TSC is an annual event of GBP aimed at accelerating the R & D activities and igniting the young minds to cultivate entrepreneurial ideas in Biotechnology and allied fields. The best proposals are offered ready to use laboratory space at GBP or cash prizes. The proposals are invited and short listed participants are encouraged to present their proposals before a distinguished panel of judges. The best proposals are awarded. This year a total of 46 proposals were received of which 12 proposals were selected for the final round of TSC.

The program schedule :

Day 1: Visit to the facilities of Guwahati Biotech Park and Industrial tour

Day 2: Workshop on sensitization/mentoring on Innovation, Incubation & Start-ups

Day 3: Presentation and Evaluation of shortlisted proposals of TSC

Day 1 (3rd April 2018)

On the first day of the event the participants were invited to GBP and after a brief introduction, were taken on a tour to the modular laboratory facilities and explained about the instruments installed at the Park. The participants interacted with the in-house incubatees/researchers/



Dr. K. Jayaram, Scientist C, IBSD, Mr. S. Rathore, CEO, Test Right, TSC contestants and GBP staff interacting during their visit at GBP

students/ trainees and obtained a brief idea about the various R & D work, scientific endeavours and innovations undertaken by them.

The participants were later taken on an industrial tour to **Sun Pharmaceutical Industries Ltd.**, Palashbari, Assam. The participants along with Dr. K. Jeyaram, Scientist C, IBSD, Imphal, were accompanied by Dr. Rajiv Chandra Dev Goswami, Research Associate, GBP, Mr. Prajjalendra Kumar Barooah, Research Associate, GBP and Mr. Jintu Rajbongshi, Laboratory Attendant, GBP. At Sun Pharma, the team was taken around the facility by Mr. Kolin



Mr. P Barooah, RA, GBP, while explaining the facilities of GBP to the TSC contestants during their visit at GBP



Dr. R. Ch Dev Goswami, RA, GBP, Mr. P Barooah, RA, GBP and Mr. J Rajbongshi, LA, GBP and TSC contestants during their visit to Sun Pharmaceutical Industries Ltd., Palashbari, Assam

Ghosh, Senior Executive, production. Mr. Ghosh gave a brief idea about the different units and various stages of drug manufacturing procedures, which are currently operational there. The entire process comprising of various sequential steps like dispensing, washing, granulation, drying, blending, compression, sizing and quarantine, which were explained to all participants by Mr. Ghosh. Two BCIL trainees currently working at GBP also accompanied the participants in the tour.

Day 2 (4th April 2018)

The second day of the program started with opening remarks by **Dr. Bula Choudhury**, Senior Scientist, GBP. She gave a brief description of the North East Biostart Program which brings together various stakeholders involved in creation of a Biotech Start-up Ecosystem. The inaugural session was graced by Dr. R. M. Dubey, IFS, Head (i/c), CIIFS; Sri S. Paliwal, Scientist – D, RMRS, Boko; Dr. B.G. Unni, Director Research, ADTU; Mr. Manoj Das, Director, IIE; Dr. N. C. Talukdar, Director, IASST and Shri Vinod Seshan, IAS, CEO, GBP on the dais.

After the inauguration the mentorship session started with a brief introduction of **Mr. Vishal Gandhi**, Founder & CEO, BIORx Venture Advisors Pvt Ltd. Noida, by **Dr. M.G. Barthakur**, Senior Scientist, GBP. Mr. Gandhi delivered a presentation on “*Aspects of Bio-entrepreneurship*”. He interacted with the TSC participants and advised them to aim at developing ideas and working on them to build up a successful business venture. The next talk was on “*Enabling sustainable Start-up*” by **Mr. Balram Nair**, Vice President, Chennai Angels. Mr. Nair delivered a detailed overview on building a start-up ecosystem and stressed on how to differentiate between a good business model and investable business model. He also briefed about the Chennai Angels team, objectives, its funding support, collective working model and

decision taking to encourage and support start-ups.

Mr. Subham Rathore, CEO, Test Right, delivered a talk on “*Engineer to Entrepreneur*”. Mr. Rathore shared his experience of building a startup focussed on developing a pocket spectrophotometer which is cost effective and efficient. He mentioned about having a team with good marketing skills and working closely with prospective buyers for testing and feedback.

The next talk was delivered by **Mr. Vineet Choudhury** from T-Hub, Hyderabad on “*Incubator and Start-up ecosystem*”. Mr. Choudhury emphasized on the Start-up ecosystem and role of incubators to translate research into commercial ventures including T-Hub as an accelerator. Mr. Choudhury mentioned about the concept of public private partnership model of T-Hub, its stakeholders, self-sustainability, funding services offered and the types of domains it undertakes.

Dr. Mukulesh Baruah, Director, Assam Institute of Management delivered a presentation on “*Innovation: Entrepreneurial driver*”. Dr. Baruah gave a brief about ideas which transform into innovations and its impact on market. He defined innovation as combination of three factors, aspiration, choice and discovery. He conveyed many tips to the TSC participants for improving convergent thinking and build up courage to take risks.

Next talk was delivered by **Mr. Manash Chaliha**, Founder, Organic Majuli, on the topic “*Farm to market enablement and build a value chain by promoting value addition*”. Mr. Chaliha briefed about Organic Majuli, which is a community based Start-up and the value of supply chain in agriculture. He emphasized on understanding the problems faced by farming community and the solutions to be undertaken, the importance of knowledge sharing, social capital and community building in such farming endeavours.

Dr. Nitin Maurya, from National Innovation Foundation (NIF) delivered a talk on “*NIF for grass root innovations- the success stories*”. Dr. Maurya emphasized on Grassroots Innovation Augmentation Network (GIAN) where he illustrated the golden triangle comprising innovation, investment and enterprises. He explained the initiatives taken by NIF such as providing Micro Venture and Innovation Fund (MVIF) and role of NIF Incubation and Entrepreneurship Council (NIFientreC) in entrepreneurship development.

The session concluded with the finishing remarks by **Shri Vinod Seshan**, IAS, CEO, GBP. In this speech he highlighted GBP's effort to promote Start-up ecosystem in NE region. He briefed about the program to be undertaken the next day including the final round of TSC and conveyed his best wishes to all the participants.



Dr. R. M. Dubey, IFS, Head (i/c), CIIFS; Sri Somesh Paliwal, Scientist – D, RMRS, Boko; Dr. B.G. Unni, Director Research, ADTU; Mr. Manoj Das, Director, IIE; Dr. N. C. Talukdar, Director, IASST and Shri Vinod Seshan, IAS, CEO, GBP at the lamp lighting ceremony of the North East Bio-Start Program

Few glimpses of the program (Day 2)



Day 3 (5th April, 2018)

On the 3rd day of the workshop, the 12 shortlisted TSC contestants presented their proposals before a panel of jury members for evaluation; out of which best five proposals were selected for awards.

The invited jury members present during the evaluation were

- **Dr. K. Jeyaram**, Scientist-C, IBSD, Imphal, Manipur
- **Dr. Sriparna Bhuyan Baruah**, Faculty & Head, CIEC, IIE
- **Mr. Siddarth Lahkar**, Assistant Manager, NEDFi
- **Dr. Piyush Pandey**, Professor and Head, Dept. of Microbiology, Assam University
- **Dr. Sanjeeb Kakoty**, Associate Professor, IIM Shillong
- **Mr. Amitabh Mishra**, Sr. Manager, Biotechnology, NRDC, New Delhi.

The participants were allowed 15 minutes each for presenting their proposals. 10 minutes for presentations and 5 minutes for discussion. After the presentations the jury members interacted with all the TSC participants and conveyed their suggestions and views.

After the technical session, **Dr. P G. Rao**, former Director NEIST, Jorhat delivered a talk on *“Bridging the Divides- CSIR Efforts- An introduction to grass root level innovations, commercialization and success stories of CSIR's Technologies and Entrepreneurship through Guwahati Biotech Park”*. Dr. Rao briefed about his association with GBP since inception and described various salient features of Biotech Policy of Assam. **Mr. Balram Nair**, Vice President, Chennai Angels, Chennai and **Mr. Om Prakash Mishra**, GM, SBI, North Eastern Circle were also present during the technical session and expressed their valuable inputs and suggestions for the participants.



The panel of judges discussing the proposals during the evaluation process

The valedictory ceremony of the event was chaired by **Prof. Bhabesh Ch. Goswami**, Vice Chancellor Cotton University, in presence of **Dr. Narayan Ch. Talukdar**, Director, IASST, **Mr. Manoj Das**, Director IIE, **Dr. R. M. Dubey**, IFS, Head (I/c), CI & FS, **Dr. A K. Mishra**, Director, ASTEC, **Dr. P.G. Rao**, Former Director NEIST and **Shri Vinod Seshan**, IAS, CEO, GBP were welcomed on to the dais.

Dr. A K. Mishra, Director, ASTEC, in his valedictory speech mentioned about the possible opportunities in Bio-entrepreneurship within region. Dr. Mishra cited examples of various technological inputs in health sectors and stressed on association of GBP, ASTEC, Guwahati Planetarium, Assam Energy Development Agency and S & T Dept., GoA working as five organs of a system and growing together.

Prof. Bhabesh Ch. Goswami, Vice Chancellor, Cotton University, in his speech, stated about the tremendous potential of aquatic bioresources in NE region such as fresh water algae which has numerous benefits in terms of nutraceuticals, pharmaceuticals and as sources of biofuels. Prof. Goswami advised all the participants to have an exposure of the GBP's laboratory facilities and shared his views on uplifting the research standard from state to national levels.

Shri Vinod Seshan, IAS, CEO, GBP, in his concluding remarks, informed the audience about the growing response towards the TSC and queries received by GBP. Shri Seshan expressed his idea of initiating start-up drive programs in colleges and Universities. He mentioned that GBP's upcoming TIC, at Amingaon, Kamrup will be the largest incubation centre in Eastern India and stressed on promoting Biotech enterprises in NE region in future, which will inspire Start-ups and young Bio-entrepreneurs. He also expressed his gratefulness towards Dr. N. C. Talukdar, Director IASST for hosting the North East BIO START program.

The winners were announced at the end of the talks delivered by the dignitaries. The first five proposals were declared as winners of TSC and were presented with cash prize amounts of 30000/-, 25000/-, 20000/-, 15000/- and 10000/- respectively. They were also provided with the choice of receiving laboratory spaces at GBP within a period of 18 months to carry out their R&D of the products.



Winners of Talent search contest at the end of the prize distribution ceremony

Awards	Proposals
First Prize	Utilization of waste motor oil and oily wastewater: degradation and product formulation. Ms. S. Ghosh & Ms. P. Datta, Dept. of BSBE, IIT Guwahati
Second Prize	Smartphone based portable device for photodynamic therapy and colorimetric assays. Dr. S. K. Sailapu & Ms. D. Dutta Dept. of BSBE, IIT Guwahati
Third Prize	Simple, rapid and low cost, point of care diagnostic test for asymptomatic malaria diagnosis. Mr. N. Kumar Singh, Dept. of BSBE, IIT Guwahati
Fourth Prize	Smart and affordable wound dressings for treatment of chronic diabetic foot ulcers. Ms. D. Chouhan, Dept. of BSBE, IIT Guwahati
Fifth Prize	Microalgae: a novel source of nutrition and coloration for ornamental fish farming Ms. B. Sharma, Dept. of Biotechnology, Gauhati University

Finally, **Dr. M.G. Barthakur**, Senior Scientist, GBP delivered the vote of thanks to all the invited dignitaries, guests, resource persons, jury members, participants, team GBP, people involved in the event, especially IASST and its entire family for hosting the event.



Distinguished guests at the valedictory program along with judges, participants and winners of TSC and GBP staff at the conclusion of the NE-Biostart program at IASST, Guwahati

New In-house Entrepreneur at GBPIC

Srimaharshi Research Institute of Vedic Technology (SRIVT), Guntur, Andhra Pradesh, has signed a MOA with Guwahati Biotech Park for a laboratory space of 200 Square Feet at GBPIC to work for the project proposal on Anti-Alzheimer's and Anti-Depression herbal formulation using herbal extracts. The MOA was executed on 5th April 2018 during the North East Biostart Drive 3-5th April 2018, held at IASST, Guwahati.



Dr P G Rao, Vice Chairman RAC, SRIVT & Shri V Seshan, IAS, CEO, GBP while signing the MOA executed in between GBP and SRIVT

Invited Talks

'Industry Academia Conclave' at ADBU

Dr Bula Choudhury, Senior Scientist, GBP was invited to deliver a Plenary lecture in the National Conference on Emerging Trends in the Area of Biosciences (NC-ETAB-2018) schedule at Crystal Hall, Assam Don-Bosco University, Tapesia Campus, Sonapur, Assam on 9th April 2018.



Dr. Bula Choudhury, SS, GBP, during her talk at ADBU, Tapesia Campus, Sonapur

'Industry Academia Conclave' at Gauhati University

Dr. Madan G. Barthakur, Senior Scientist, GBP delivered an invited talk in the 'Industry Academia Conclave' organized on the occasion of OIL's 60 years commemorative celebration on



Dr. MG Barthakur, SS, GBP, during his talk at GU

as upcoming facilities in GBP's permanent campus. He also talked about recently launched Biotechnology Policy of Assam and opportunities lying therein. The talk could attract and gain good exposure, interaction, queries and interest from many people from academia as well as industry.

26th April, 2018 at Gauhati University jointly organized by Oil India Limited, Gauhati University, SECONE Society & Botanical Society of Assam.

Dr. Barthakur delivered a presentation on the topic 'Guwahati Biotech Park - Accelerating Biotech Entrepreneurship in NE India' emphasizing aims & objectives, facilities and activities of the incubation center as well



Dr. MG Barthakur, SS, GBP, along with other distinguished panelists at the 'Industry Academia Conclave' at GU

Up-Coming Events



GUWAHATI BIOTECH PARK
Discovering Through Partnership

SUMMER INTERNSHIP PROGRAMME 2018

Internship programme on Biomolecule Profiling / Herbal Extraction / Bioprospecting of Flora & Fauna

Schedule for Summer 2018 (May-June-July)			
Batch	1 st	2 nd	3 rd
Start Date	21 st May	1 st June	15 th June
Duration	2 weeks	1 Month	45 Days
Charge	4000.00 + 18%GST	8000.00 + 18%GST	10000.00 + 18%GST

Intake will be based on seat availability. First Come First Serve Basis. Registration will be closed on 30.04.2018

Payments Details
A/c Name : Guwahati Biotech Park Incubation Centre
Bank : State Bank of India
Branch : ICD Amingaon
A/c no : 32537251968
IFSC : SBIN0009201

Proof of Payment
It is mandatory to submit details of transaction while doing the NEFT transfer and other details of Payment such as Reference no, UTR no, exact date of credit and such other details which shall make it easier to track receipt of payment in the aforesaid bank account.

For More Details Contact
Web: www.guwahatibiotechpark.com
E-Mail: project@guwahatibiotechpark.com
Phone: 0361-2690228



GUWAHATI BIOTECH PARK
Discovering Through Partnership

SUMMER INTERNSHIP PROGRAMME 2018

Internship programme on Molecular Biology, Microbial Techniques and Imaging

Sl No.	Duration	Course Fees
1	1st June 2018 - 15th June 2018	4,000 + 18% GST
2	18th June 2018 - 2nd July 2018	4,000 + 18% GST
3	1st June 2018 - 2nd July 2018	10,000 + 18% GST

Intake will be based on seat availability. First Come First Serve Basis. Registration will be closed on 30.04.2018

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Phone: 0361-2690228

Chief Advisor : **Shri Vinod Seshan, IAS**, Chief Executive Officer, GBP

Editor : **Shri Prajjalendra Barooah**, Research Associate, GBP

Tel: 0361-2690228, Fax: 0361-2690227 | email: info2gbp@guwahatibiotechpark.com

Website: www.guwahatibiotechpark.com