

PROGRAMME

Venue: School of Chemical Sciences

DATE	TIME	LECTURES
23 rd June 2017	1.30 pm-3.30 pm	Carbon capturing by Mirroring Photosynthesis
24 th June 2017	9.30 am-11.30 am	Biological Computer <i>Interaction with School Children</i>
	1.30 pm-3.30 pm	New Aspects in Regenerative Medicine <i>Interaction with Medical Professionals</i>
26 th June 2017	9.30 am-11.30 am	Integrating Molecular modelling and Gene Therapy
	1.30 pm-3.30 pm	Additive Manufacturing and Bio-Printing.
27 th June 2017	9.30am-10.30 am	<i>Institutional visit</i>
Concluding Session		

CONTACT

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ERUDITE PROGRAMME 2017



ORGANIZED BY

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Mahatma Gandhi University
Kottayam 686560, Kerala
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Prof. Dr. Carlo Montemagno

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Topics

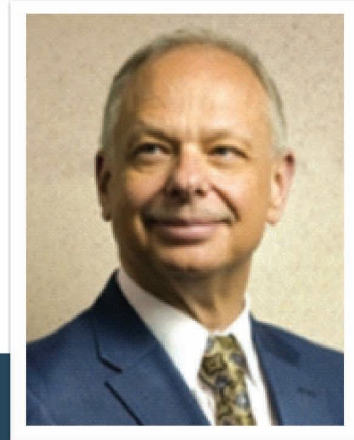
1. Carbon Capturing by Mirroring Photosynthesis
2. Biological Computer
3. New Aspects in Regenerative Medicine
4. Integrating Molecular Modelling and Gene therapy
5. Additive Manufacturing and Bio-Printing

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23rd-27th June, 2017

The Erudite is one of the innovative concepts undertaken by the State Government of Kerala to rejuvenate the field of higher education in the state and to strengthen research activities of various Universities of Kerala. Eminent academics from India and abroad are invited to the State Universities under this programme. The Scholars spend few weeks in the campus giving lectures, interacting closely with faculty students and researchers to exploring future collaborations etc.

Another major initiative in this direction is the Nobel Laureate Visiting Programme under which Nobel Laureates are invited to spend a few days in the campus. These eminent personalities will closely interact with students, teachers and researchers in the campus. In collaboration with the State Higher Education Council, Mahatma Gandhi University has invited several scholars to its campus under this programme. These eminent personalities have given lectures and conducted interactive sessions with students and teachers of the university and of affiliated colleges.



Prof. Dr. Carlo Montemagno is the Director of Ingenuity Lab, Professor in the Department of Chemical and Materials Engineering at the University of Alberta, AITF Strategic Chair of Bionanotechnology, and Programme Lead of the Biomaterials Program at the National Institute for Nanotechnology and Canada Research Chair in Intelligent Nanosystems.

Montemagno's current research and near term investigations focus on the development of experimental techniques to integrate metabolic functionality into materials through the engineering of biomolecular systems. Recent efforts addressed the creation of advanced systems for water purification and treatment, and the development of materials for the synthesis of high-value chemicals through the harvesting of solar energy.

He has edited one book "The Co-evolution of Human Potential and Converging Technologies," and 16 book chapters, 38 patents, more than 200 scientific papers, several keynote, plenary and invited lectures at various conferences, universities and institutes, more than 100 published abstracts. Carlo Montemagno has been recognized with prestigious awards including the Feynman Prize, the Earth Award Grand Prize, the CNBC Business Top 10 Green Innovator award and Bill & Melinda Gates Grand Challenge Winner.