

Scientific Programme

MONDAY, JANUARY 4

Morning

8:30 - 9:00 Completion of Registration

9:00 - 9:30 Opening Ceremony and Announcements

Opening Remarks: Dr. Jeanese Badenock (Chairperson)
& Welcome Department of Biological and Chemical Sciences, UWI, Cave Hill

Greetings: Prof. Dale Webber - Pro-Vice Chancellor, Graduate Studies and Research

Dr. Roy Porter - Head, Department of Chemistry, UWI, Mona

Key Note Address: Prof. Ishenkumba Kahwa - Deputy Principal, UWI Mona

Announcements: Prof. Paul Reese - Dean, Faculty of Science and Technology, UWI, Mona

9:30 - 10:30 **Plenary Lecture #1:** Robert Capon *"Natural Products Inspiring Future Medicines"*

10:30 - 11:00 COFFEE BREAK

11:00 - 12:00 **Plenary Lecture #2:** Nicola Pohl *"Development of Methods for the Automated Synthesis of Oligosaccharide Libraries"*

12:00 - 12:30 **Short Paper #1:** James Cook *"Enantiospecific, Stereospecific Total Synthesis of a Series of C-19 Methyl Substituted Sarpagine/Macroline Indole Alkaloids via an Efficient Method of Copper-Mediated Enolate Driven Cross-Coupling Process"*

12:30 - 2:00 LUNCH BREAK

Afternoon

Chairperson: Professor Yvette Jackson - The University of the West Indies, Mona

2:00 - 3:00 **Plenary Lecture #3:** Russell Kerr *"Accessing Natural Products from Cryptic Biosynthetic Pathways"*

3:00 - 3:30 **Short Paper #2:** Shawntae Rodney *"The Application of Pregelatinized Starch Extracted from Artocarpus altilis Parkinson Fosberg (Breadfruit) as a Direct Compression Binder in Tablets"*

3:30 - 4:00 COFFEE BREAK

4:00 - 5:00 **Plenary Lecture #4:** Gregory Dudley *"High-Value Alkynes in the Synthesis of Marine Natural Products"*

5:00 - 5:30 **Short Paper #3:** John Schaus *"The Discovery and Use of Positron Emission Tomography (PET) Ligands to Image Cannabinoid-1 (cb1) Receptors in Humans"*

5:30 - 6:00 **Short Paper #4:** Greg Buchanan *"Challenges Associated with the Use of Bio-Derived Farnesene in the Chemical Synthesis of Squalane"*

TUESDAY, JANUARY 5

Morning

Chairperson: Dr Peter Ruddock - Petroleum Corporation of Jamaica

9:00 - 10:00 **Plenary Lecture #5:** Hirokazu Kawagishi - *"Fairy Chemicals A Candidate for a New Family of Plant Hormones and for New Agrochemicals"*

10:00 - 10:30	Short Paper #5: Glenroy Martin - <i>"Experimental and Theoretical Studies of Aromatase Inhibitors Derived from Formestane"</i>
10:30 - 11:00	COFFEE BREAK
11:00 - 12:00	Plenary Lecture #6: William Gerwick - <i>"Orthogonal Natural Product Studies of the Jamaican Marine Cyanobacterium Moorea Producens JHB"</i>
12:00 - 12:30	CONFERENCE PHOTO
12:30 - 2:00	LUNCH BREAK

Afternoon

Chairperson: Gregory Buchanan - Amyris Biotechnologies

2:00 - 2:30	Short Paper #6: Denise Tulloch - <i>"Research into the Economics of Locally Grown Castor and Jatropha as Agroenergy Crops, and their Conversion to Biodiesel for Use in the Transport Sector"</i>
2:30 - 3:30	Plenary Lecture #7: Erin Carlson - <i>"Exploring the Master Regulators of Microbial Behavior"</i>
3:30 - 4:00	Short Paper #7: Sanjay Campbell - <i>"Brown Algae Stypopodium zonale as a Source of Bioactive Natural Products"</i>
4:00 - 5:15	POSTER SESSION
5:30 - 7:30	PUBLIC FORUM

THURSDAY, JANUARY 7

Morning

Chairperson: Dr Andrew Lamm - University of Technology, Jamaica

9:00 - 10:00	Plenary Lecture #8: James Gloer - <i>"Coprophilous and Fungicolous Fungi: Underexplored Frontiers in Antifungal Discovery"</i>
10:00 - 10:30	Short Paper #8: Eric Helms - <i>"Determination of the Carotenoid Content of Wild Autumn Olive (Elaeagnus umbellata) from Western New York State"</i>
10:30 - 11:00	COFFEE BREAK
11:00 - 12:00	Plenary Lecture #9: Kazuo Nagasawa <i>"Chemistry in Saxitoxin, a Paralytic Shellfish Toxin"</i>
12:00 - 12:30	Short Paper #9: Sharna-kay Daley - <i>"Oxidative Dimerization of Benzene and Naphthalene Derivatives: A Concise and Effective Route to Bioactive Natural Products"</i>
12:30 - 2:00	LUNCH BREAK

Afternoon

Chairperson: Dr Julie-Ann Grant - The University of the West Indies, Mona

2:00 - 3:00	Plenary Lecture #10: Robert Williams - <i>"Enantiomeric Natural Products: Biosynthetic, Synthetic and Genetic Revelations"</i>
3:00 - 3:30	Short Paper #10: Mathew Muzi Nindi - <i>"Challenges of Isolation and Profiling of African Medicinal Plants: Analytical Prospective of Standardization and Quality Control Methods"</i>
3:30 - 4:00	Short Paper #11: Ramakwala Christinah Chokwe - <i>"Methodology Development of Quality Control, Quality Assurance and Standards for Moringa oleifera Seeds"</i>
4:00 - 5:00	Plenary Lecture #11: Raymond Anderson - <i>"Discovery of Bioactive Natural Products"</i>
5:00 - 5:30	Short Paper #12: Vusi W. Masilela - <i>"Isolation of Secondary Metabolites from Dicoma anomala subsp. gerrardii"</i>