

NZIC 2026 Conference Programme

As at 27 October 2026



15 - 19 NOVEMBER 2026

THE PĀ
UNIVERSITY OF WAIKATO
KIRIKIROA HAMILTON

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Sunday 15 November

1.00pm onwards	Registration Open Room: The Hub
2.10pm	Please assemble at the waharoa, to the front of the Wharenuī
2.30pm – 3.30pm	Pōwhiri - Official Welcome Room: Wharenuī
3.30pm – 4.00pm	<i>Concludes with light refreshments</i>
4.00pm – 6.00pm	Session 1 Chair: Room: The Hub
4.00pm - 5.00pm	Wastewater-Based Epidemiology: From Sewers to Science to Insights Lisa Pilkington
5.00pm – 5.30pm	Mānuka Honey: A Complex Matrix with Export Challenges Megan Grainger
5.30pm – 6.00pm	From Molecular Vibrations to Hidden Structures: Low-Wave number Raman Spectroscopy in Pharmaceutical and Biomedical Systems Sara Miller
6.00pm – 6.10pm	Presidential Handover
6.10pm – 7.40pm	Welcome Reception – Industry Exhibition Area Room: The Hub

Monday 16 November

8.30am - 10.30am

Session 2

Chair:

Room: The Hub

8.30am - 9.30am

Teaching Where Students Are: Authentic Science Communication in Digital Spaces

André Isaacs

9.30am - 10.30am

Panel: Making Chemistry Meaningful: Strategies to Inspire Curiosity

Facilitator: **André Isaacs**

David McMorran, Jane Spenceley, Michael Edmonds, Isaac Larsen, Hinerangi Hughes

10.30am – 11.00am

Morning Tea – Industry Exhibition Area

CONCURRENT SESSIONS

11.00am - 12.45pm

3A

Chair:

Room: The Hub

3B

Chair:

Room: S1.02

3C

Chair:

Room: S1.05

3D

Chair:

Room: S1.04

11.00am - 11.15am

Where Chemistry Meets Precision Cancer Therapy: Innovating Antibody–Drug Conjugates
Iman Kaviani

Fluorescence Spectroscopy as a Tool to Characterize of New Zealand Drinking Water Source Variation Over Time
Keith C. Gordon

Collaborating to Rethink Laboratory Assessment in the GenAI Era: A Disciplinary-Diverse School's Response
Ruth B. Cink, Courtney Ruha, Marie-Anne Thelen, Peter Swedlund

Building Catalysts on Solid Supports: Controlling and Enhancing Reactivity With Surface Organometallic Chemistry
Rosalyn L. Falconer

11.15am – 11.30am

Camptothecin Pyrophosphates for Antibody-Drug Conjugates (ADCs) – a Story of Unexpected (In)stability
Moana Terce, Sarah P. McManaway, Frederik B. Pruijn

Astrochemistry: Investigating the Role of Heterogenous Catalysis in Space Environments Using Benchtop Vibrational Spectroscopy Methods
Naila Chaouche-Mechidal, Jeremy Rooney, Keith Gordon, Courtney Ennis

Confidence Before Assessment: Design and Impact of a Low-Stakes Activity to Reduce First-Year Chemistry Lab Anxiety
Chris Marsh, Richard Blackburn

Surface Pretreatment and Interface Engineering of ZnO-Based Photocatalysts for Enhanced Photocatalytic Performance
Fredric G. Svensson, Lars Österlund

11.30am – 11.45am

Can FT-IR Bridge Spectroscopy and Multi-Attribute Monitoring of Monoclonal Antibodies (mAbs)?
Ameya N. Parkar, Prajakta Dandekar Jain, Ratnesh Jain

Molecular Characterisation of Charcoals for Radiocarbon Dating After Treatment Against Exogenous Contamination
Bo Borbridge, Michael Mucalo, Fiona Petchey, Peter Veth

Operation Critical Minerals: An Escape Room Challenge
Christina C. Howat, Elouan Hay-Fourmond, Josh Van Dongen, Tane Butler, Willow Pileggi

Atomic-level Regulation on Photocatalyst for Energy-Related Reaction
Jingrun Ran

11.45am – 12.00pm

Structure-guided Inhibition of the DNA-mutating Cytosine Deaminase APOBEC3A: Steps Towards Preventing Evolution of Cancer Drug Resistance
Harikrishnan M. Kurup, Vyacheslav V. Filichev, Wanting

Water-Soluble Ammonium BODIPYs: Multifunctional Antimicrobial Photoinitiators for the Generation of Biocompatible Hydrogels
Qishu He, Amir Sohail, Heather J. L. Brooks, Keith C. Gordon, Khoon S. Lim, James D. Crowley

Laboratory and Teaching Practices Informed by Undergraduate Research
Dylan J. Webb

Should We Be Salty About On-Water Catalysis? Investigating The Impact of Salts in On-Water and On-Polyol Catalysis
Benjamin Smit-Colbran, Hugo Gordon, Cameron Weber

	<i>Jiao , Stefan Harjes, Geoffrey B. Jameson, Elena Harjes</i>			
12.00pm – 12.15pm	The Disruption of KRAS Trafficking as a Therapeutic Strategy to Treat Pancreatic Cancer Olivia R. Arnerich , Jiwon Hong, David Barker, Lisa I. Pilkington	Responsive Probes for Background-Free Luminescence Bioanalysis and Imaging <i>Dihua Tian, Mazen Alanazi, Miaomiao Wu, Huayue Zhang, Run Zhang</i>	Embedding Inquiry-Based Computational Simulations In 100-Level Introductory Chemistry Courses Alex Hamilton	Simulated Photodissociation Dynamics of the N ₂ O–H ₂ O Complex and Its Atmospheric Relevance Sara Farahani , Joseph R. Lane
12.15pm – 12.30pm	Understanding the Structure Activity Relationship of Allosteric, Mutant-Selective PI3Kα Inhibitors Lara Molloy , Julie Spicer, Emma Nolan, Peter Shepherd, Jack Flanagan		There’s More to Life than Academia: Exploring the Diverse Career Trajectories of Chemistry PhD Graduates Michael K. Edmonds	One-Step Solid-State Synthesis of Sulfate-Terminated Anatase-TiO ₂ with Tunable Surface Acidity Fredric G. Svensson , Lars Österlund
12.30pm – 12.45pm	Total Synthesis of HMPQ and Analogues to Visualise of G-Quadruplexes Josef Schnuriger , Emma Scotter, Lisa Pilkington, David Barker		Making Better Lecturers: A New Course in University Teaching <i>Dave Warren, Dave McMorran</i>	
12.45pm – 1.45pm	Lunch – Industry Exhibition Area			
1.45pm – 3.45pm	Session 4 Chair: Room: The Hub			
1.45pm – 2.45pm	Inclusion and Engagement in Chemistry Thinking: Interactions and Cognitive Connections Gwendolyn Lawrie			
2.45pm – 3.45pm	Generative AI in Chemical Education from Multiple Perspectives: Teacher, Researcher, Author, and Journal Editor Elizabeth Yuriev			
3.45pm – 4.15pm	Afternoon Tea – Industry Exhibition Area			
CONCURRENT SESSIONS				
4.15pm – 5.45pm	5A Chair: Room: The Hub	5B Chair: Room: S1.02	5C Chair: Room: S1.05	5D Chair: Room: S1.04
4.15pm – 4.30pm	Computational and Resonance Raman Studies of Porphyrin with Substituents at the β-Pyrrolic Position Keith C. Gordon	Total Synthesis of Taurinated Diterpene Rimarikiamide A <i>Antonio J. Salamat, Katie Fraine, Lewis Wooding, Ashton Asbury, Joel Cresser-Brown, Tessa Evans, Laura Walker, Nathaniel Dasyam, A. Jonathan Singh, Robert A. Keyzers,</i>	Acrylate Polymerisation via Mechanochemically Activated Quartz Malachy M. Gilbert , Zoran D. Zujovic, Mitchell A. Nascimento, Erin M. Leitaο	Oxidative Stress Biomarkers in Wastewater as Potential Indicators of Community Health and Wellbeing Sally Gaw , Tino Berl-Deplzes, Andrew Chapell, Glen Rowland, Kaitlyn Phung, Matt Hobbs, Jake O’Brien, Abby Meynell, Kevin Thomas

		Joanne E. Harvey		
4.30pm – 4.45pm	Measuring Vapour-Liquid Equilibria (VLE) Using Benchtop NMR Isanthi R. Liyanage , Reuben Bowen, Daniel J. Holland, Richard M. Hartshorn	Total Synthesis of Melicodenines C, D, E and I through Photocatalysed [2+2] and [4+2] Cycloadditions Briana L. Silcock , Z. E. Wilson, C. B. Larsen.	Controlled Pre-Hydrolysis of Octadecyltrichlorosilane for Abrasion-Renewable Superhydrophobic Wood Compacts Xinhan (Jemma) Zhang , Kim Pickering, Graham Saunders	From Air to Surface: Microplastic Exposure in a Preschool Environment Mozhgan Panji , Patricia Cabedo Sanz, Naresh Singhal, Joel D. Rindelaub
4.45pm – 5.00pm	Raman Spectroscopy and DFT Investigation of Fluorinated Antimony(V) Porphyrins Eya Kacem , Keith C. Gordon	The Total Chemical Synthesis of Lipidated TNF- α Catherine Smith , Renata Kowalczyk, Lyn Wise, Dan Furkert, Paul Harris	Generation and Reactivity of Surface-Bound Reactive Species on Milled Quartz Sand Sahra Sheikh Aleslami , Rosalyn Falconer, Erin M. Leita	Infrared Spectroscopy: A Proxy for Isotope Diagenesis in Forensic Hair Degradation Lisa Leung , Keith C. Gordon, Darren R. Gröcke, Charlotte King
5.00pm – 5.15pm	Spectroscopic and Computational Investigation of a Series of Heteroleptic Cu(I) Complexes with Electron Donor Substituents Peter J. G. Remoto , Gourav Vashisth, Zizhong Zhang, Qishu He, John McAdam, James D. Crowley, Keith Gordon	Total Synthesis and Analysis of Phenolic Phytoprostanes Jordan Lehoux , Céline Crauste, Thierry Durand, Camille Oger	Why Surface-Water and OER Intermediate Interactions Matter: Toward Accurate Theoretical Identification of Z-Scheme Heterostructures for Water Splitting Redi Kristian Pingak , Oliver J. Conques, Catherine Stampfl	Raman Micro-Spectroscopy Study of Permanent Molar Teeth Tissue Composition in Relation to Cord-Blood Vitamin D Status Anam Zulfiqar , Carolina Loch, Keith C. Gordon
5.15pm – 5.30pm	Understanding Temperature Switchable Solvents Prepared from Simple Aliphatic Amines and Carboxylic Acids Megha Thuruthel Kuriakose , Cameron Weber	Synthesis and Biological Analysis of Lignan Natural Products and Analogues David Barker , Irene Kim, Lisa I. Pilkington.	A Missing Link: Tuneable Crosslinkers for Polysulfide Metal Sorption William Sheard , Lokesh Padhye, Melanie Kah, Erin Leita	Quantifying Microplastic Concentrations in Aotearoa Joel D. Rindelaub
5.30pm – 5.45pm	Electronic Structure and Mechanistic Pathways of N ₂ Reduction on 1,3,5,7-Tetra-Bora Adamantane Aminu H. Yusuf , Vladimir B. Golovko, Sarah L. Masters	Synthetic Studies Towards Denigrins H-L and Sulfated Analogues Jia-ming Liu , Michèle R. Prinsep, Benjamin D. Dickson	Reduction of New Zealand Ilmenite to Ti-Fe Alloys for Hydrogen Storage Alexander Haack , Claudio Pistidda, Nigel T. Lucas	
5.45pm – 7.15pm	Poster session Room: Te Kōpūroa around Poster Boards	Poster Session proudly sponsored by:		
				 Te Mana Tangata Whakawhanake MacDiarmid Institute Advanced Materials & Nanotechnology

TUESDAY 17 NOVEMBER

8.30am – 10.30am	Session 6 Chair: Room: The Hub			
8.30am – 9.30am	The Total Synthesis of Biologically Active Natural Products and Allied Activities <i>Martin Banwell</i>			
9.30am – 10.00am	Dissecting the Mechanism of Action for a Novel Class of Immunosuppressants <i>Julie Spicer</i>			
10.00am – 10.30am	Bioorthogonal Chemistry for Targeted Cancer Therapy <i>Allan Gamble</i>			
10.30am – 11.00am	Morning Tea – Industry Exhibition Area			
CONCURRENT SESSIONS				
11.00am – 12.45pm	7A Chair: Room: The Hub	7B Chairs: Room: S1.02	7C Chairs: Room: S1.05	7D Chair: Room: S1.04
11.00am – 11.15am	From Molecules to Materials: Exploring the Versatility of Lanthanide Chemistry <i>Alex. T. O’Neil, Gaby Sansom, Yichao Cai, Jonathan A. Kitchen</i>	Substituted Basic Imidazolium Salts for Enhanced <i>In Situ</i> Carbene Reactivity <i>Mason L. Granta, Tilo Söhnle, Cameron C. Weber</i>	Synthesis of Natural Product-Like Compounds from Bridged Bicyclic Alkynes <i>Toby G. McDonald, Daniel J. Foley</i>	Light-Sensitive Reconfigurable Emulsions <i>Shivangi Chourasia, Tyson Dais, Gareth J. Rowlands, Catherine P. Whitby</i>
11.15am – 11.30am	Towards Natural Product Derived Ligands in Organometallic Chemistry <i>Dylan J. Webb, Declyn J. Caouette, Ben A. Windsor</i>	An Aqueous Compatible and Atom Economical Orthogonal Amine Protecting Group for Peptide Synthesis <i>Jesse Wijaya, David Barker, Yann Hermant, Alan J. Cameron</i>	Chemical Space Travel Connects Patients to the Molecules of Future Medicines <i>Jack U. Flanagan, Jack M. Copping, Shanan Chand, Chris Scott, Nick D. Jones, Hamid Abbasi, Woo-Jeong Lee, Michael Dragunow</i>	Automated Reaction-Network Exploration of CO ₂ Electroreduction <i>Leonel Cabrera-Loor, Marco Fronzi, Luigi Cavallo, Catherine Stampfl</i>
11.30am – 11.45am	One’s Company, Two’s A Crowd: Investigating the Influence of Bulky Equatorial Ligands on Coordination Number and Magnetic Behaviour in Lanthanide Single Molecule Magnets <i>Riley T. Griffiths, Daniela M. Garske, Marcus J. Giansiracusa, Scott A. Sulway</i>	A Click Chemistry Approach to Nitrogen Heterocycles <i>André K. Isaacs</i>	The Next Generation of NMR-Based Enzymatic Transition-State Analysis for Drug Discovery <i>Richard Thom, Andrew R. Lewis, Gerd Mittelstädt, Sven Sondhauss, Davide Comoletti, Scott A. Cameron, Farah Lamiabie-Oulaidi</i>	Shape, State, and Speed: How Architecture and Acceptor Identity Route Triplet Decay in Re(I) Complexes <i>Elkhansa Elbashier, Gourav Gourav, Samuel J. Harris, C. John McAdam, James D. Crowley, Keith C. Gordon</i>
11.45am – 12.00pm	Ru(II) Complexes of Redox-Active Ligands Towards Solar Fuel Generation	Catalytic Synthesis of Cannabinoids <i>Kareem Abdur-Rashid, Wenli Jia, Kamaluddin Abdur-Rashid</i>	High Throughput Pooled Screening for Mediators of Ubiquitin Biology <i>Daniel Conole</i>	Tuning FAU-related Zeolites for Accessible Sr ²⁺ Sites for Air Separation

	Leah M. Sammon , Christopher M. Fitchett			Christina C. Howat , Paul A. Webley, Jungkyu Choi, Alex C. K. Yip
12.00pm – 12.15pm	Exploring Axial Point-Charge Complexes of Oblate Lanthanides Incorporating Crown Ether Ligands Cameron M. Gould , Richard A. Mole, Marcus J. Giansiracusa, Scott A. Sulwaya	Gold(I)-Catalyzed Synthesis of 1H-Isochromenes, Naphthoquinones, and Isoquinolines Michael R. Gesinski , Julianna M. Mouat, Navraj Singh, Sean J. Calvert, Minh N. Tran, Chelsea C. Southwell	Development Of Precision Antisense Oligonucleotide Therapies to Reduce the Inflammatory Response in Virus-Induced Systemic Hyperinflammation Tobias J. Swanepoel, Chris Puli'uvea, Emma K. Davison	Exploring Magnetoelectric Effects in 1T-FeCl ₂ /bilayer-GaSe Multiferroic Heterostructures Fahmida Fakhera , Oliver.J. Conquesta, Carla Verdia, Catherine Stampfla
12.15pm – 12.30pm	Accessing A New Class of Amino Acid-Based Polyphosphoramidates Via Mechanochemistry Anastasia E. Gater , Mitchell A. Nascimento, Malachy M. Gilbert, Erin Leitao	DFT Evidence for a Ring-Opened Keto-form Intermediate in the Thiolation of 5-Hydroxy-1-H-pyrrol-2(5H)-one Bioconjugation Reagents Monica Fresta , Maria Assunta Rossella Chiacchio, Laura Legnani, Annemieke Madder	Complex, Trifunctional, <i>sp</i> ³ -Rich Building Blocks for DNA-Encoded Libraries Logan A. Allomes , Daniel Conole, Dan P. Furkert	Effect of Adding NZ Bovine Derived Hydroxyapatite (HA) on Electrochemical Behaviour, Cell Viability, and Bacterial Resistance of β-Ti-6Nb-6Nb-9Mo Alloy Bala Manogar , Linda Peters, Michael Mucalo, Fei Yang, Leandro Bolzoni
12.30pm – 12.45pm	The Power of the Proton: Elucidating the Role of Protonation on the Decomposition of Piloty's Acid-Based HNO Donors Nicola E. Brasch , Anau K. H. S. Lautaha, F. Nimra Abdul Haleem, Paul Sampson, Alexander J. Seed		Direct Skeletal Editing via Azide-Enolate Cycloaddition-Rearrangements Dan P. Furkert	
12.45pm – 1.45pm	Lunch – Industry Exhibition Area			
1.45pm – 3.15pm	Session 8 Chair: Room: The Hub			
1.45pm – 2.45pm	Rational Catalyst Design for CO ₂ Electrochemical Reduction Reaction Ziyun Wang			
2.45pm – 3.15pm	Perspectives in Evaluating the Porous Structure of Hydrogels Lisbeth Grøndahl			
3.15pm – 3.45pm	Afternoon Tea – Industry Exhibition Area			
3.45pm – 5.45pm	Session 9 NZIC Branch Student Oral Competition Chair: Room: The Hub			
3.45pm – 4.00pm	Toxic Thoughts: Heavy Metal Presence in Honey Bee Brains Amber Bell , Dayanne Bordin, Phillip Doble, Linda Peters, Megan Grainger			

4.00pm – 4.15pm	Benchtop qNMR for Drug Checking in New Zealand Simon Winship , Daniel Holland, Ben Bogun, Nick Shanks, Casey Spearin
4.15pm – 4.30pm	An E-aptasensor for Detection of Cocaine on the Roadside Thakshila Dayananda , Bruce Chilton, Yasmin Liu, Onyekachi Raymond, Elena Harjes, Geoffrey B. Jameson, Vyacheslav V. Filichev
4.30pm – 4.45pm	Controlling π -Stacking in Tris-HBC Nanographenes by Central sp^3 Substitution Panchami M. Hirave , Elkhansa Elbashier, Keith C. Gordon, Yanfang Wu, Nigel T. Lucas
4.45pm – 5.00pm	Absolute Configuration Determination of Halisulfate Natural Products via NMR-based and Computational Approaches Hunter C. Murray , Ethan F. Woolly, Joanne E. Harvey, Robert A. Keyzers
5.00pm – 5.15pm	Investigating the Suitability of Karstedt's Catalyst for the Synthesis of Well-defined Siloxane Surfactants Erin M. Donahue-Boyle , Mitchell A. Nascimento, Jack L.-Y. Chen, Erin M. Leitaio
5.15pm – 5.45pm	Easterfield Lecture Applications of Singlet Fission: Increased Photoluminescent Quantum Efficiencies and Singlet Fission Enhanced 2D Perovskite Solar Cells Nathaniel Davis
	Free evening

WEDNESDAY 18 NOVEMBER

8.30am – 10.30am	Session 10 Chair: Room: The Hub
8.30am – 9.30am	Taonga Natural Products of Aotearoa New Zealand Nigel Perry
9.30am – 10.00am	Investigations of Bioactive Marine Natural Products from Tongan Sponges Rob Keyzers
10.00am – 10.30am	Natural Products: Inspiration for Developing New Weapons in the Fight Against Drug-Resistant Bacteria Brent Copp
10.30am – 11.00am	Morning Tea - Industry Exhibition Area

CONCURRENT SESSIONS

11.00am - 12.30pm	11A Chair: Room: The Hub	11B Chair: Room: S1.02	11C Chair: Room: S1.04
11.00am – 11.15am	Spectroscopical Identification of Surface Chemical Changes During the Alkali Dissolution of Whey Protein Concentrate Gels Skyler Morison, Kieth C. Gordon	New Transformations of Unprotected Sugars Antony J. Fairbanks	A Chemical Ecology Study of Secondary Metabolites in <i>G. aureomarginatus</i> Caitlin Berquist, Michele R. Prinsep
11.15am – 11.30am	From the Lab to a Lamb: The Ramguard Project Jacob Shrubsall	The Synthesis of Glycosyl Amides from Unprotected Carbohydrates and Acylsilanes Emma M. Dangerfield, Amy L. Foster, Amy T. Lynch, Bridget L. Stocker, Mattie S. M. Timmer	Fast-Tracking Peptide Ligand Discovery for COP1 E3 Ligase Harsha Negi, Noor Radhi, Nicolas Schiff, George Guo, Martin Middleditch, Deanna Shea, Sam Jamieson, Peter Mace, Renata Kowalczyk, Paul Harris, Daniel Conole
11.30am – 11.45am	Development of a Novel Electrochemical Sensor for Rapid Detection of MGO in Mānuka Honey Zixuan Jin, Linjie Du, Bicheng Zhu, Rebecca C. Deed, Lisa I. Pilkington	Hitting the Sweet Spot: Carbohydrate-Linked Chromophores for Solar Hydrogen Production Lara D. Browne, Mattie S. M. Timmer, Paul Hume	Structure Meets Function: Solving Complications in Aptasensor Development Through Integrated Structural Analysis Bruce Chilton, Thakshila Dayananda, Elena E. Harjes, Geoff B. Jameson, Vyacheslav V. Filichev
11.45am – 12.00pm	Title to be confirmed	The Synthesis of Mincle Ligands for use as Vaccine Adjuvants Anya F. Weth, Emma M. Dangerfield, Mattie S.M. Timmer, Bridget L. Stocker	Mass Spectrometry-Based Proteomic Profiling of a Probiotic-Derived Postbiotic Extract with Multifunctional Skin Benefits Tanvi Sawant, Prajakta Dandekar, Ratnesh Jain
12.00pm – 12.15pm	From Molecules to Emotions: Understanding the Chemical Drivers of Consumer Perception using Flavoromics Farhana Pinu	Discovery of 5-trifluoroacetamido-6-D-ribitylaminouracil (FARU) – A Potent and Stable MAIT Cell Prodrug Brenda S. Luong, Emma M. Dangerfield, Rikako	Analytical Supercritical Fluid Chromatography Mass Spectrometry for Lipid and Natural Products Analysis – An Overview and Examples from Our Lab

		<i>Suzuki, Yanqi Xue, Koh-Hei Sonoda, Kensuke Shibata, Bridget L. Stocker, Mattie S. M. Timmer</i>	Kevin Mitchell , Andrew MacKenzie, Kirill Lagutin, Dawn Scott, and Mikhail Vyssotski
12.15pm – 12.30pm	A Small Window into a Large Analytical Laboratory Jonno Hill	Title to be confirmed Lawrence Harris	Chirality as a Biosignature on Titan: Insights from Amino Acid Co-Crystal Formation Morgan L. Cable , Victoria D. Li, Natalie Orrantia, Tuan H. Vu, Anna E. Engle, Robert Hodyss
12.30pm – 1.30pm	Lunch - Industry Exhibition Area		
1.30pm – 2.30pm	Session 12 Chair: Room: The Hub		
1.30pm – 2.30pm	Chemistry for the Primary Industries Jolon Dyer		
2.30pm – 3.00pm	Afternoon Tea - Industry Exhibition Area		
3.00pm – 4.45pm	13A Chair: Room: S1.05	13B Chair: Room: S1.02	13C Chair: Room: S1.04
3.00pm – 3.15pm	Chains make a Cellulose Microfibril? Wide-Angle X-ray Scattering (WAXS) testing of 18-, 24-, and 36-Chain Models Stefan Hill	Characterising the Emergent Photophysical Properties of Mixed [benzenenaphthalene-anthracene]-zirconium metal-organic Frameworks by Rational Synthesis Sanutep V. Chan , Lujia Liu, Nathaniel J. L. K. Davis	Developing Vitamin B ₁₂ -Conjugates for Antibiotic Therapy Megha B. Sijarani , Mathilda Saunders, Reem M. Khalaf, Nicola E. Brasch, Brent Seale, Yan Li, Scott A. Ferguson
3.15pm - 3.30pm	A Chemometrics Approach to Pinpointing Chemical Drivers of Flint and Mineral Descriptors in Chardonnay Wines <i>Gilleen C. Miller, Xiaoying Zhang, Jennifer R. Muhl, Mathilde Derycke, Michael Brajkovich, Lisa I. Pilkington</i> Rebecca C. Deed	Ultrastable MOF-Encapsulated CsPbX ₃ Perovskites <i>Adrian Owens, Marcus Jones</i>	Synthesis and Biological Evaluation of Novel Antifungal Drug Delivery Systems Samantha C. Bottom , Vijayalekshmi Sarojini, Rebecca C. Deed, David Barker
3.30pm – 3.45pm	Yeah:NA - Chemical Analyses Towards No Alcohol Beer and Wine Simon Hinkley , Peter Bircham, Andrew Muncaski, Susanna Chan, Andrew Marshall, Hannah Robinson	Establishing Synthetic Principles for Perovskite on Silica Microcavity Whispering Gallery Mode Microlasers Chase R. H. Zemke-Smith , Nathaniel J. L. K. Davis, Michael B. Price	Development of Covalent Acid Ceramidase Inhibitors as Potential Therapeutics for the treatment of Krabbe Disease Vincent Raj , Rinu Shrestha, Scott Cameron, Farah Lamiabile-Oulaidi
3.45pm – 4.00pm	Chemistry for Primary Industries: Seaweed-based Biostimulants and Biopolymers for Sustainable Agriculture Ashna Khan	Guest-Driven Flexibility in Metal–Organic Frameworks Enabled by Three-Dimensional Linkers Lauren K. Macreadie	OleQuat: From an Unexpected Aza-Michael Reaction to an Antimicrobial SpinOut Company Rolland Lin , Urawadee Rajchakit, Raquel Ortega, Brian B. Northrop, Kristi Biswas, Margaret A. Brimble, Alan J. Cameron
4.00pm – 4.15pm	Harnessing The Power of Chemistry	Machine Learning Accelerated the Discovery of	Targeting Tolerance to Combat Antimicrobial

	<i>Sarah C. Finch, Nikki G. Webb, Jacob Shrubsall</i>	MOFs for Methane Adsorption <i>Edin Liu, Qi Chen, Luke Liu</i>	Resistance <i>Sophia Wilson, Anna Giddens, Christopher Squire, Jack Flanagan, Julie Spicer</i>
4.15pm – 4.30pm	Reshaping Table Grape Metabolism Using Circadian Cues: Chemometric Insights from Multi-Omics Data Integration Tools <i>Ingrid Lindeman, Soledad Perez Santangelo, Helen Boldingh, Richard C. Macknight, Catrin S. Günther</i>	Controlled Preparation of Thin Diazonium-Derived Films Using Supramolecular Templating <i>Joshua Lehr, Hannah Sellars, Ethan Evans, Gudrun Louise Maier</i>	Development of Bacterial DNA Ligase Inhibitors against <i>Neisseria gonorrhoeae</i> Infections <i>Pathmini M. Dissanayaka, Benjamin D. Dickson, Adele Williamson</i>
4.30pm – 4.45pm	Analysis of Microplastics in Drinking Water in Aotearoa New Zealand <i>Hea Jeong Kim, Andrew Chappell, Joel Rindelaub, Lisa I. Pilkington</i>		
6.45pm – 11.00pm	Conference Dinner – Te Pā Room: The Hub		

THURSDAY 19 NOVEMBER

9.00am – 10.30pm	Session 14 Chair: Room: LG.01
9.00am – 10.00am	Molecular Materials: Electronically Dynamic Transition Metal Complexes Colette Boskovic
10.00am – 10.30am	Light, Current, Action! A Multi-Faceted Catalytic Approach to the Destruction of Persistent Pollutants Scott McIndoe
10.30am – 11.00am	Morning Tea – S Block Ground Floor
11.00am – 12.00pm	Session 15 - RSC Lectureships Chair: Room: LG.01
11.00am – 11.30am	Metallodrug Development: With Biologically-Active Ligands to Multifunctional Anticancer Bioorganometallics Christian Hartinger
11.30am – 12.00pm	Solid-State Membranes for Electrokinetic Extraction and Separation from Solid Samples Michael Breadmore
12.00pm – 12.20pm	Conference Close

POSTER LISTING

Poster number	Paper title
	Twisted BaFeO ₃ /Fe ₃ GaTe ₂ Ferromagnetic Heterostructure Yazeed Obaidallah Alnafie , Olliver J Conquest, Catherine Stampfl
	Multifunctional Graphene Oxide-Based Hydrogel for Efficient Ketoprofen Adsorption Chinnu Maria Baby , Wenrong Yang, Xavier A Conlan
	Organic Based Antifouling Coatings for Marine Surfaces Sajith K. Baiju , Paula A Brooksby, Matthew G Cowan, Sarah L Masters
	Facile Synthesis of Functionalized EDOT Alternatives for On-Site Electrochemical Sensing of Illicit Substances Elise A. Bailey , Jadranka Travaš-Sedjić, Lisa I Pilkington, David Barker
	Enhancing Perovskite Solar Cells with Singlet Fission Materials: A Path to Higher Efficiency and Stability Adit Batra , Mattie Timmer and Nathaniel Davis
	A Concerted Effort: Computational Investigation of C-F Activation by Anionic Al(I) and Ga(I) Complexes. Andrew M S Booth , Jack K Broomfield, Nithya M Thilakan, Victoria D Li, George W A Smith, Alex Hamilton, J Robin Fulton, Martyn P Coles
	Melt-Phase Glycolysis–Transesterification of Waste PET for the Synthesis of Biodegradable and Chain-Extendable PET-co-PCL Copolymers Callista Booth-Richards , Erin Leita, Johan Verbeek
	Going the Extra Carbon to Build a Better Lignan Keely Bowler , Brent Copp, David Barker
	Towards Field-Deployable SERS: From Nanoparticle Aggregation Dynamics to Machine Learning for Illicit Drug Detection in Complex Matrices

	André B. Stowers-Hull , Prof Mark Waterland, Assoc Prof Catherine Whitby, Dr Onyekachi Raymond, Mark Connor
	Vibrational Spectroscopy of Pea-Derived Isolates and Concentrates Saniga Clianice , Keith Gordon, Indrawati Oey, Gert-Jan Moggre, Kevin Sutton
	Interfacial Engineering of Solid Electrolyte Interphase via Sustainable Electrolyte Additives in Mg-Air Batteries Rida Fatima , Nestor K Ankah, I B Obot
	Reverse Microemulsion Synthesis of Non-Precious Multimetallic Nanoparticles as Precursors for HEA-Based Electrocatalysts Mehreen Fatima , Fei Yang, Michael Mucalo
	The Unexpected Coordination Chemistry of 2,2-Bipyridine and 1,10-Phenanthroline based Tetradentate Ligands featuring Pyrazoles. Gourav Vashisth , Zizhong Zhang, Keith C Gordon, James D Crowley
	Discovery of Novel Kinase Inhibitors via AI-Guided Molecular Structure Generation Jiaqi Guo , Goutham Rajendran, Cuong Pham, Long Nguyen, Binh Nguyen, Wanting Jiao, Paul Teesdale-Spittle, Joanne Harvey
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