



Irish Science Teachers' Association  
Col-Oidí na hÉireann

## ISTA National Conference 2024 SETU Waterford Campus

*Senior Cycle Reform – Implications for Teaching, Learning and Assessment of Leaving Certificate  
Biology, Chemistry and Physics*

Friday 1 <sup>st</sup> March 2024 - Tower Hotel Waterford			
6.30 - 7:30	Registration		
7:30 - 8.00	Presidents Reception		
8.00-9.30	Welcome and Gala Dinner		
9.30-10.30	Official Opening: Sean Finn, Chairperson ISTA, Presidential Address followed by Lecture 'Science education as a force for good' (Luke O Neill) and Awards Ceremony (Ken Keohane)		
Saturday 2 <sup>nd</sup> March 2024 - SETU Waterford Campus			
8.30 a.m.	Registration opens		
9.00 - 9.40	Plenary Session Professor Veronica Campbell, President SETU.		
9.40-9.50	Oide: Information Session on Supports Provided by Oide.- Helen Van Eesbeck		
9.55 -10.40	Bruce Wardop. SETU <i>The Science of Extreme Sport.</i>	Dr Larry Fitzhenry SETU. <i>Developing Novel Ocular Therapeutics - An SETU perspective.</i>	Eoin Gill. <i>Enriching Science, Technology and Society with Story and Demonstration.</i>
10.40 - 11.10	Tea / Coffee Exhibitions (Think Green! Bring Your Own Cup)		
Session 1 11.10-11.40	<p style="text-align: center;">Workshops</p> <ul style="list-style-type: none"> <li>Molecular Ecology - Denise O'Meara</li> <li>Science on Stage - Projects for 2024 Festival; Paul Nugent, Veronica Ward, Alan Casey, Tracey Mason, Denis McCarthy, Jane Shimizu</li> <li>RSC Workshop - John O Donoghue.</li> <li>Oide Workshop Carousel A (30min + 1 repeat): practical activities applicable for JC/TY/LC for subject specialists &amp; non-specialists alike in chemistry and physics with a Nature of Science focus. Participants will rotate after 15 minutes. Delivered by the Oide Chemistry &amp; Physics Teams</li> <li>Oide Workshop Carousel B (30min + 1 repeat): practical activities applicable for JC/TY/LC for subject specialists &amp; non-specialists alike in Biology and project-based ideas from Climate Detectives/SonS SDG. Participants will rotate after 15 minutes. Delivered by the Oide Biology, Ag. Science &amp; Physics Teams</li> </ul>		
Session 2 11.45-12.15			
12:20 - 1.20	<i>Artificial Intelligence – implications for Teaching, Learning and Assessment</i> - Dr Keith Young, Maynooth University		
1.20 - 2.10	Exhibitions and Brown Bag lunch. Tea/coffee		
2.10 - 2.30	<i>Ten years after the Hyland Report – Achievements so far and future challenges.</i> Professor Áine Hyland, Emeritus Professor of Education, UCC.		
2.30 - 3.20	Report and Discussion on proposed new Biology specification (syllabus) Margaret Hourigan Humphrey Jones David O'Brien	Report and Discussion on proposed new Chemistry specification (syllabus) Mary Mullaghy Dr Lisa Darley Dr Declan Kennedy	Report and Discussion on proposed new Physics specification (syllabus) Sean Finn John Conneely
3.20 - 3.50	<i>To what extent can artificial intelligence be used in carrying out coursework in the new Leaving Certificate Agricultural Science and Computer Science specifications?</i> - Dr Ryan Gallagher and Stephen Murphy.		
3.50 - 4.10	The experience in implementing and assessing coursework in the new Leaving Certificate Agricultural Science Specification <i>Joe Corroon Chairperson IASTA.</i>		
4.10 - 4.30	Panel Discussion: Challenges and opportunities for the Leaving Certificate subjects of Biology Chemistry and Physics: Professor Áine Hyland, Dr. Keith Young and Humphrey Jones		
4.30 - 5.00	Annual Business Meeting		