

ISAC undertakes three key civic mission projects for CYTO 2023

Instruments 4 science - I4S aims to facilitate transfer of instruments from donating organisations to labs in resource-poor regions most able to benefit from them. The I4S Task Force works with ISAC education committees, standardization taskforces, and the associated societies taskforce to ensure appropriate specific training/certification is available to maximize benefit of the instruments. This includes the appropriate level of training in the appropriate language. The project is led by Dr Raif Yucel and team. Watch their video [HERE](#).

Live education - The mission of the Live Education Task Force (LETF), under the umbrella of the ISAC Education Committee, is to bring cytometry education to countries where access to training, particularly practical training, is limited. To this end, the LETF has regularly organized 6 to 8 live workshops per year in different parts of the world with a total of more than 60 workshops over the last 20 years. The LETF workshops trace their origins to the International Flow Cytometry Workshop program founded by Dr. Awtar Krishan and to the first workshop he organized in India in 2002. The program was developed to bring live, hands-on training programs to countries with developing scientific infrastructure and a need for cytometry training. Over the following years, the program expanded to other parts of the world. Over the last 20 years, the International Flow Cytometry and LETF workshops have trained thousands of students in more than 60 workshops in 20 countries world-wide.

The live LETF workshops typically consist of 3-5 days of lectures and hands-on workshops, taught by international faculty paired with local faculty. Hosts choose the level and the module topics they consider most useful to their students, from a series of basic to advanced modules and tracks that we offer on research and clinical topics. A typical live workshop costs \$30,000 to \$50,000 to run, with funding raised from vendor support, local or international grants and student fees. ISAC provides \$5,000 per workshop for many of the workshops to cover international faculty travel costs. We have ambitions to be able to deliver six+ workshops in 2022, and to slowly expand this programme further. The education material and resources are needed to link with I4S as this would harmonise these projects further. The taskforce is currently led by Drs Zosia Maciorowski and William Telford. See the LETF Poster [HERE](#).

CYTO-Youth - Our vision is that all young people, regardless of their background or personal experience, are inspired by cytometry and technology; and to consider STEM as an achievable option and are motivated to reach their full potential. Thus, the aim here seeks to communicate complex, scientific concepts and about cytometry in a context that engages the audience and is easily understood by individuals with little to no cytometry experience (layperson, students, patients, faculty, etc.) and show how research and teaching in the field of cytometry are bridging the gap between biology and technology. It provides STEM Outreach for the society. Our specially designed programmes at CYTO give young people access to exciting new experiences and opportunities, meeting and international community of scientists and technologists. Our range of activities for teachers and school pupils of all ages aims to raise aspirations. This project is currently led by Drs Alexis Conway and Julie Hill.