

## MISSION

Establish a globally unique national user facility to observe fundamental dynamic structural and chemical processes in: Personalised Medicine, Sustainable Energy, Quantum Materials & Processes, Chemical Dynamics, Materials in Extreme Conditions.

## VISION

Nurturing future generations of experts in ultrafast methods integrated with artificial intelligence, who can generate the key scientific advances and related IP to help drive UK prosperity in the 21st Century.

## PROJECT MANAGEMENT

### RUEDI Director

*Prof. Nigel D. Browning*

### RUEDI Research Coordinator

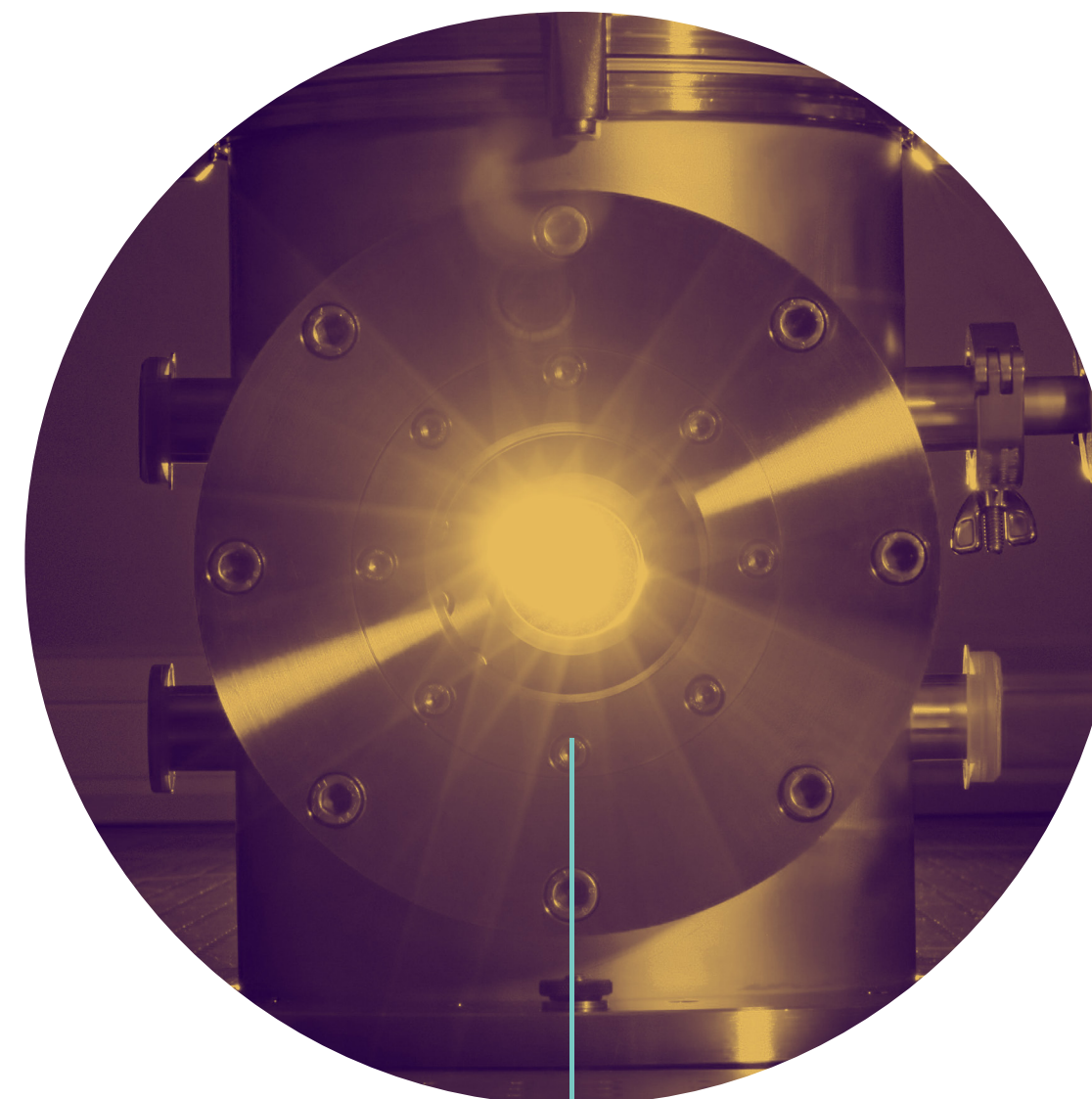
*Dr. Yoshie Murooka*

### RUEDI Instrument Design

*Dr. Tim Noakes*

### RUEDI Head of Ops

*Ms. Jan Nugara*



***The RUEDI ecosystem of  
integrated ultrafast  
capabilities will be unparalleled  
worldwide***

*– Prof. Nigel D. Browning*



RUEDI National Facility, Daresbury, Warrington, WA4 4AD, UK



## KEY SCIENTIFIC & CROSS-CUTTING AREAS:

### ARTIFICIAL INTELLIGENCE (AI) & DATA INFRASTRUCTURE

*– Professor Simon Maskell, Liverpool*

### DYNAMICS OF CHEMICAL CHANGE

*– Professor Sven Schroeder, Leeds*

### ENERGY

*– Dr B. Layla Mehdi, Liverpool*

### QUANTUM MATERIALS

*– Dr William Bryan, Swansea*

### IN VIVO BIOSCIENCES

*– Professor Angus Kirkland, Rosalind  
Franklin Institute*

### MATERIALS IN EXTREMES

*– Professor Carsten Welsch, Liverpool*