

Core Facility for Crystallography and Biophysics

TEAM-TECH Core Facility project founded by FNP established in 2018 a Core Facility for Crystallography and Biophysics at the Biological and Chemical Research Centre, University of Warsaw

CHEM

Żwirki i Wigury 101, 02-089 Warszawa
cfcf@uw.edu.pl 22 55 26 744 [in](#) [f](#) [t](#) @CFCBUW

BIO

Small Molecule Compounds X-CHEM

Small Molecule Compounds Comp-CHEM

Crystallization

X-Ray Wavefunction Refinement

Polymorphism and Phase Transition

Charge-Density Analysis

X-Ray Diffraction (in house)

Hydrogen Bond Propensity

Electron Diffraction (in house)

Crystal Structure Prediction

Synchrotron Data Collection (external)

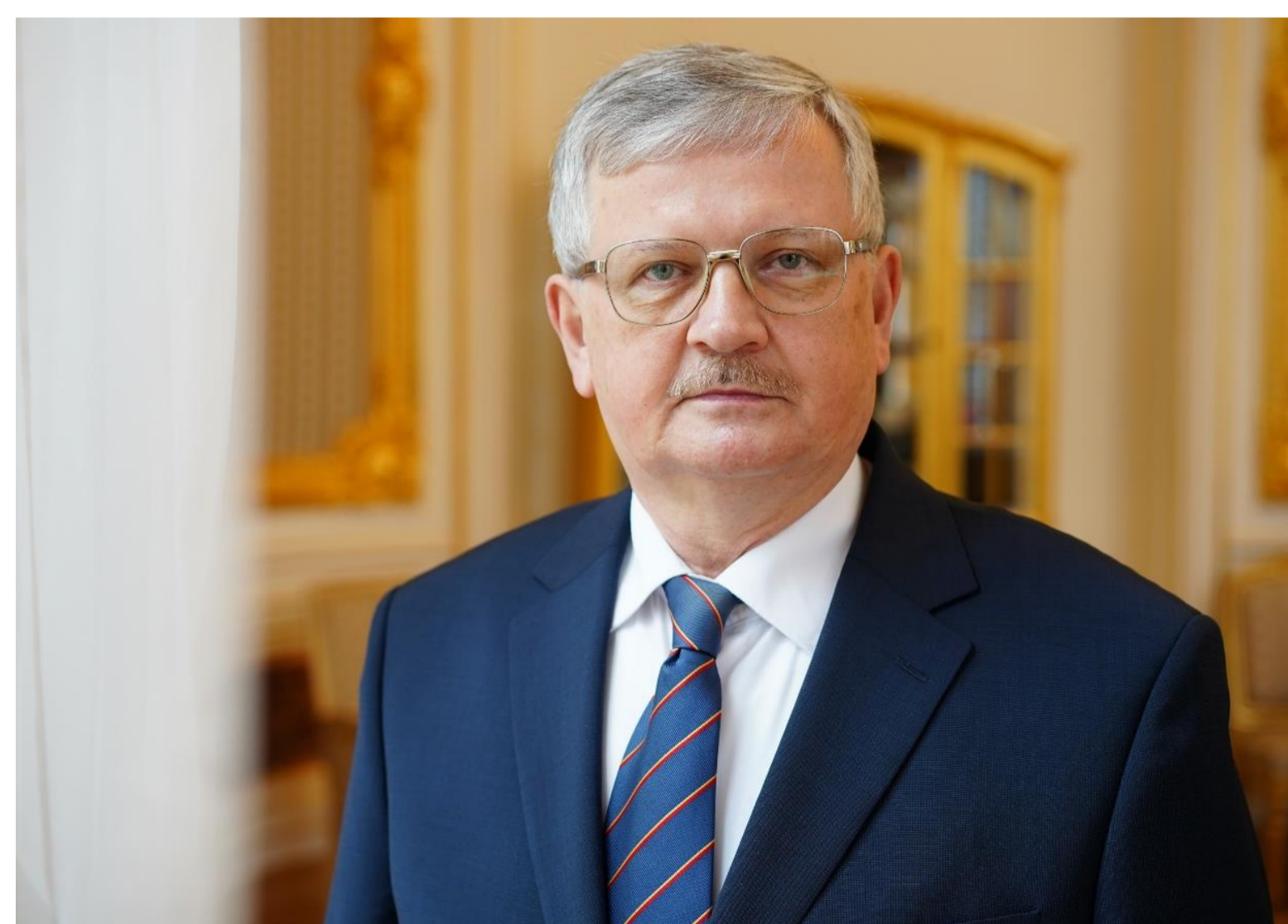
Electrostatic Energy Calculations

Structure Solving and Refinement

Periodic DFT Calculations

Structural analysis
of the lead compound

Computational analysis
of the lead compound



Prof. dr hab. Krzysztof Woźniak
Head of CFCB
kwozniak@chem.uw.edu.pl

Biological Macromolecules MX-BIO

Biological Macromolecules EM-BIO

Protein Expression and Purification

Sample Preparation

Ligand Binding Assays

Negative staining

Crystallization

Sample Screening

X-Ray Diffraction (in house)

Cryo-EM Data Collection

Synchrotron Data Collection (external)

Electron Diffraction

Structure Solving and Refinement

Structure Solving and Refinement

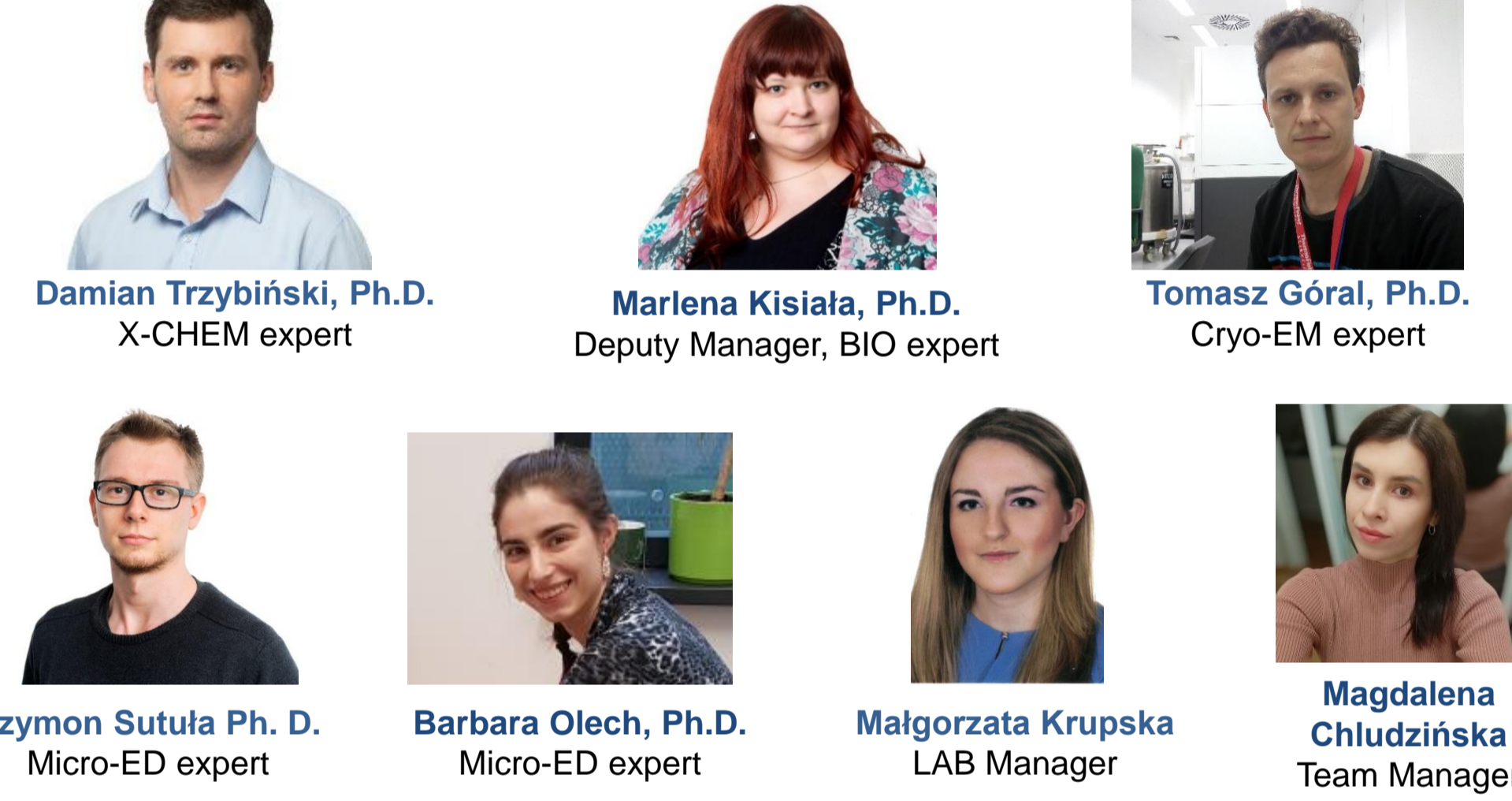
Crystallography and biochemistry
of the target molecule

Cryo-EM analysis
of target molecule

Main CHEM Equipment



Core Facility Staff



Main BIO Equipment



Academic Customers



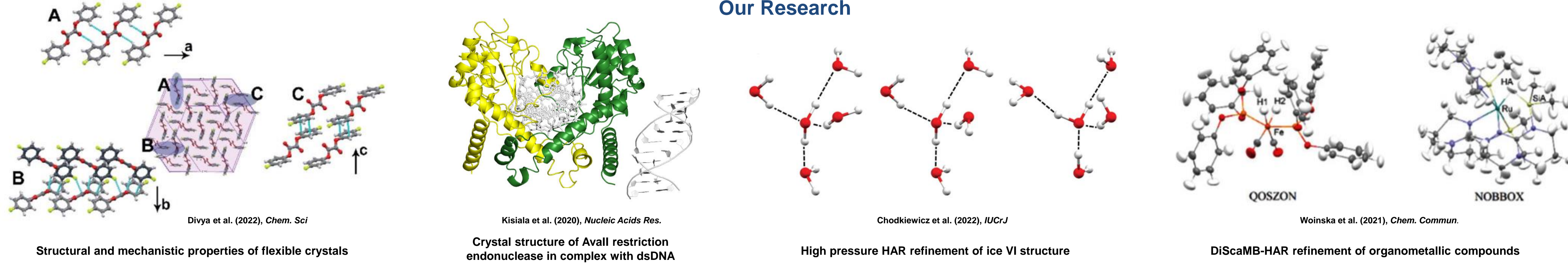
Experts Supporting Our Projects



Major Commercial Customers



Our Research



Synchrotrons



SCIENCE SERVICES FOR ACADEMIC AND COMMERCIAL USERS

The „Core facility for crystallographic and biophysical research to support the development of medicinal products” project is carried out within the TEAM-TECH Core Facility programme of the Foundation for Polish Science co-financed by the European Union under the European Regional Development Fund.