

Maksymilian Chruszcz

Associate Professor, Department of Chemistry and Biochemistry, University of South Carolina

Education

M.Sc., Jagiellonian University, 1997 (Chemistry)

Ph.D., Jagiellonian University, 2002 (Chemistry)

Honors and awards

1991-1992 Laureate of Chemistry Olympiad, Poland

1991-1992 Fellowship of Polish Children Fund

1992 Laureate of International Chemistry Olympiad (silver medal), Pittsburgh, PA, USA

1993-1996 Student Fellowship, Jagiellonian University

1996-1997 Fellowship from Polish Ministry of the Education

2016 Breakthrough Stars Award – University of South Carolina

2018 Distinguished Research Service Award – University of South Carolina

2018 Distinguish Undergraduate Research Mentor Award – University of South Carolina

Fields of interest

-structural biology, in particular macromolecular crystallography

-molecular basis of allergy, asthma and infectious diseases

Papers and PDB deposits

118 publications (Web of Science: h-index 29, +3,800 citations (excluding self-citations))

~280 structures in the Protein Data Bank

Inventions

I am a co-author of three inventions reported to the Virginia Patent Foundation. The inventions are related to small-molecule and macromolecular extensions of the HKL-2000 package (HKL-3000 and HKL-3000SM; registration numbers: TXu 1-314-824 and Txu 1-338-583). Moreover, I am co-author of Xtaldb, an expert system for monitoring and designing macromolecular crystallization experiments.

The Chruszcz Lab - <http://artsandsciences.sc.edu/chemgroup/chruszcz/>