

# Sudad Dayl

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Google Scholar: <https://scholar.google.com/citations?user=zPj7eZMAAAAJ&hl=en>

## **RESEARCH INTERESTS**

Bioinformatics, Computational Structural Biology

## **EDUCATION**

**PhD in Biochemistry**, 2018 – University of Leicester/UK. Thesis: Molecular modelling of ATP-gated P2X receptor ion channels, Supervisor: Dr. Ralf Schmid.

**MSc in Bioinformatics**, 2012 – University of Leicester/UK.

**BSc in Chemistry**, 2007 – University of Baghdad/Iraq.

## **APPOINTMENTS**

Lecturer: University of Baghdad, Department of Chemistry, 2018 to Present.

Assistant Lecturer: University of Baghdad, Department of Chemistry, 2013 to 2018.

## **PUBLICATIONS**

### **Book chapters**

Anastasios Stavrou, Sudad Dayl, Ralf Schmid: Homology Modeling of P2X Receptors. Purinergic Signaling, 01/2020: pages 65-75; , ISBN: 978-1-4939-9716-9.

### **Journal publications**

Alistair G. Fryatt, Sudad Dayl, Anastasios Stavrou, Ralf Schmid, Richard J. Evans: Organization of ATP-gated P2X1 receptor intracellular termini in apo and desensitized states. The Journal of General Physiology 01/2019; 151(2):jgp.201812108.

Rebecca C Allsopp, Sudad Dayl, Anfal Bin Dayel, Ralf Schmid, Richard J Evans: Mapping the Allosteric Action of Antagonists A740003 and A438079 Reveals a Role for the Left Flipper in Ligand Sensitivity at P2X7 Receptors. Molecular Pharmacology 03/2018; 93(5).

Rebecca C Allsopp, Sudad Dayl, Ralf Schmid, Richard J Evans: Unique residues in the ATP gated human P2X7 receptor define a novel allosteric binding pocket for the selective antagonist AZ10606120. Scientific Reports 04/2017; 7(1).

Alistair G Fryatt, Sudad Dayl, Paul M Cullis, Ralf Schmid, Richard J Evans: Mechanistic insights from resolving ligand-dependent kinetics of conformational changes at ATP- gated P2X1R ion channels. Scientific Reports 09/2016; 6.

## **CONFERENCE PRESENTATIONS**

Poster presentation	Imperial College London, London, UK	2015	Amber workshop
Poster presentation	University of Leicester, Leicester, UK	2015	Purine club meeting conference
Poster presentation	University of Derby, Buxton, UK	2016	CCPN/CCPBioSim conference
Poster presentation	The Hague, Netherlands.	2016	ECCB (15th European Conference on Computational Biology)
Talk presentation	University of Bristol, Bristol, UK	2016	1st UK/Italian purine club meeting conference

## **TEACHING EXPERIENCE**

### **Lecturer, University of Baghdad**

- Biochemistry
- Computer essentials
- ChemDraw

### **Assistant Lecturer, University of Baghdad**

- Biochemistry
- Computer essentials
- Visual Basic 6

## **HONORS / AWARDS**

Scholarship: M.Sc. scholarship: The Higher Committee for Educational Development in Iraq (HCED), 2012.

Scholarship: Ph.D. scholarship: The Higher Committee for Educational Development in Iraq (HCED), 2014.

## **SKILLS**

Structural Bioinformatics and Structural Biology, Structural Bioinformatics, Homology Modeling, Molecular Docking, Protein Modeling, Protein Structure, Computational Structural Biology, Protein Dynamics, Structure Prediction, Molecular Modeling, Docking Studies, Modeling and Docking, Computational Biophysics, Molecular Dynamics, Molecular Dynamics Simulation, VMD, Conformational Dynamics, Molecular Graphics, Proteins, Protein Binding, Gromacs, Molecular Simulation, Bioinformatics and Computational Biology, Computational Biochemistry, Comparative Modeling, Molecular Visualization, Docking, Pymol

## **LANGUAGES**

- Arabic/native
- English