

### **PhD thesis**

*Kinetic studies on the folding and insertion of outer membrane protein A from Escherichia coli.*  
Dissertation, 2008, Deutsche Digitale Bibliothek, KOPS-Uni-Konstanz

### **ISI articles**

Bulieris P.V., Behrens S., Holst O., Kleinschmidt JH. (2003). *Folding and insertion of the outer membrane protein OmpA is assisted by the chaperone Skp and by lipopolysaccharide.* J Biol. Chem. 278(11): 9092-9

Kleinschmidt JH, Bulieris P.V., Qu J, Dogterom M, den Blaauwen T (2011). *Association of neighbouring  $\beta$ -strands of outer membrane protein A in lipid bilayers revealed by site-directed fluorescence quenching.* J Mol. Biol. 407(2): 316-32

Yoon, Y.-H., Barker C., Bulieris, P.V., Matsunami H., Samatey, F.A. (2016). *Structural insights into bacterial flagellar hooks similarities and specificities.* Sci Rep. 6: 35552

Bulieris P.V., Shaikh NH, Freddolino PL, Samatey FA. (2017). *Structure of FlgK reveals the divergence of the bacterial hook-filament junction of Campylobacter.* Sci. Rep. 7(1): 15743

RÁCZ L., TOMOAIÁ-COTIŞEL M., RÁCZ C.P., BULIERIS P., GROŞU I., PORAV S., CIORÎŢĂ A., FILIP X., MARTIN F., SERBAN G., KACSÓ I. (2021). *Curcumin-whey protein solid dispersion system with improved solubility and cancer cell inhibitory effect.* Stud. Univ. Babeş-Bolyai Chem, 66(3), 209-224

### **Patent**

Mitran, R.A, Pop M.M., Bulieris P.V., Pongratz I., Fruth Oprisan V., (2022) *Co-crystals*, EP3774751B1, European Patent Office

### **Meeting abstracts**

Bulieris P.V., Behrens S., Holst O., Kleinschmidt JH. (2003). *Folding and insertion of the outer membrane protein OmpA is assisted by the chaperone Skp and by lipopolysaccharide.* Biophys. J. 86 (1): 253A-253A

Kleinschmidt JH, Bulieris P.V., Qu J, Dogterom M, den Blaauwen T (2011). *Lipid Bilayer Insertion of OmpA from E. coli Requires the Association of Neighbouring beta-Strands, Revealed by Intramolecular Site Directed Fluorescence Quenching.* Biophys. J. 100 (3): 208-208

### **PDB structures (World Wide Protein Data Bank)**

Yoon, Y.-H., Barker C., Bulieris, P.V., Matsunami H., Samatey, F.A. (2016)  
5AY6, 32 kDa Fragment of the Flagellar hook protein FlgE from *Caulobacter crescentus*

Yoon, Y.-H., Barker C., Bulieris, P.V., Matsunami H., Samatey, F.A. (2016)  
5AZ4, Crystal structure of a 79KDa fragment of FlgE, the hook protein from *Campylobacter jejuni*

Bulieris P.V., Shaikh NH, Freddolino PL, Samatey FA. (2017)  
5XBJ, The structure of the flagellar hook junction protein HAP1 (FlgK) from *Campylobacter jejuni*

### **Conference presentations**

Bulieris P.V., *Folding and insertion of the outer membrane protein OmpA is assisted by the chaperone Skp and by lipopolysaccharide.* Trans-Regio SFB Meeting, Elveția, 2005

Bulieris P.V., *Structural insights into bacterial flagella.* 12<sup>th</sup> International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2019

Bulieris P.V., *Screening of optimal crystallization conditions for a key protein of bacterial flagellum*. The 39<sup>th</sup> International Conference and Scientific Session of the Romanian Society for Cell Biology (RSCB2022), Cluj-Napoca, Romania, 2022

Bulieris P.V., *Expression, purification and characterization of FlgL protein from Campylobacter jejuni*. 14<sup>th</sup> International Conference on Processes in Isotopes and Molecules (PIM), Cluj-Napoca, Romania, 2023

#### **Conference posters**

Bulieris P.V., Behrens S., Holst O., Kleinschmidt JH. *Folding and insertion of the outer membrane protein OmpA is assisted by the chaperone Skp and by lipopolysaccharide*. Biophysical Society Meeting, Baltimore, SUA, 2004

Bulieris P.V., Behrens S., Holst O., Kleinschmidt JH. *Folding and insertion of the outer membrane protein OmpA is assisted by the chaperone Skp and by lipopolysaccharide*. Trans-Regio SFB Meeting, Elveția, 2004

Bulieris P.V., Behrens S., Holst O., Kleinschmidt JH. *Assisted folding pathway of outer membrane protein A*. Membrane Protein COST Meeting, Lisabona, Portugalia, 2005

Kleinschmidt JH, Bulieris P.V., Qu J, Dogterom M, den Blaauwen. *Lipid Bilayer Insertion of OmpA from E. coli Requires the Association of Neighboring b-Strands, Revealed by Intramolecular Site Directed Fluorescence Quenching*. Biophysical Society Meeting, Baltimore, SUA, 2011

Bulieris P., Zorilă B., Bacalum M, Turcu I. *PAMAM dendrimers conjugated with antimicrobial peptides*. 13th International Conference, Processes in Isotopes and Molecules, Cluj-Napoca, România, 2021

Bulieris P., *Multi angle light scattering (MALS) enables the identification of the monomeric fraction for a key protein of bacterial flagellum*. 17th National Conference of Biophysics, CNB 2022, Târgu-Mureș, România, 2022

Bulieris P., Zorilă B., Bacalum M, Turcu I. *PAMAM dendrimers conjugated with antimicrobial peptides*. 17th National Conference of Biophysics, CNB 2022, Târgu-Mureș, România, 2022

Bulieris P.V., *The effect of lipopolysaccharides length on the folding of OmpA protein*. The 39<sup>th</sup> International Conference and Scientific Session of the Romanian Society for Cell Biology (RSCB2022), Cluj-Napoca, Romania, 2022