



## **PUBLICATION LIST ON HONEYBEE USE (1999 – August 2011)**

### **2011**

**Purification, crystallization and preliminary X-ray diffraction analysis of the thiaminase type II from *Staphylococcus aureus*** (HB961)

A. Begum, J. Drebes, M. Perbandt, C. Wrenger and C. Betzel

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 January 2011; 67(1): 51-53.

**Expression, purification, crystallization and preliminary X-ray analysis of wild-type and of an active-site mutant of glyceraldehyde-3-phosphate dehydrogenase from *Campylobacter jejuni*** (HB 8+1)

D. S. Tourigny, P. R. Elliott, L. J. Edgell, G. M. Hudson and P. C. E. Moody

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 January 2011; 67(1): 72-75.

**Comparative Production Analysis of Three Phlebovirus Nucleoproteins under Denaturing or Non-Denaturing Conditions for Crystallographic Studies.**

Violaine Lantez, Karen Dalle, Rémi Charrel, Cécile Baronti, Bruno Canard, Bruno Coutard

*PLoS Neglected Tropical Diseases*, 4 January 2011; 5(1): e936.

**Open Channel Solid Phase Extraction Systems and Methods.**

Inventors: Douglas T. Gjerde, Christopher P. Hanna

*US Patent* Application Publication # US 2011/0118452 A1; Filing date: 6 January 2011

**Method and device for sample preparation.**

Inventors: Douglas T. Gjerde, Allen Burge, Ronald Jones, Mark Abel

*US Patent* number: 7875462 B2, Issue date: 25 January 2011

**Crystal structure of a dimeric archaeal Cleavage and Polyadenylation Specificity Factor** (HB961)

Bijàn Mir-Montazeri, Moritz Ammelburg, Dara Forouzan, Andrei N. Lupas and Marcus D. Hartmann

*Journal of Structural Biology*, January 2011; 173 (1): 191-195

**Crystallization and preliminary X-ray diffraction analysis of a class II phospholipase D from *Loxosceles intermedia* venom** (HB963)

A. Ullah, P. O. de Giuseppe, M. T. Murakami, D. Trevisan-Silva, A. C. M. Wille, D. Chaves-Moreira, L. H. Gremski, R. B. da Silveira, A. Sennf-Ribeiro, O. M. Chaim, S. S. Veiga and R. K. Arni

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 February 2011; 67(2): 234-236.

**Open channel solid phase extraction systems and methods.**

Inventors: Douglas T. Gjerde, Christopher T. Hanna

US Patent number: 7879621; US Patent Application Publication #: US 2004/0224362

A1; Patent Issue Date: 1 February 2011

**Activation of Colicin M by the FkpA Prolyl Cis-Trans Isomerase/Chaperone** (HB961)

Stephanie Helbig, Silke I. Patzer, Cordelia Schiene-Fischer, Kornelius Zeth and Volkmar Braun

*The Journal of Biological Chemistry*, 25 February 2011; 286(8): 6280-6290.

**The structure of a native L-amino acid oxidase, the major component of the *Vipera ammodytes ammodytes* venom, reveals dynamic active site and quaternary structure stabilization by divalent ions** (HB961)

Dessislava Georgieva, Mario Murakami, Markus Perband, Raghuvir Arni and Christian Betzel

*Molecular BioSystems*, February 2011; 7(2):379-384.

**Isolation, purification, crystallization and preliminary crystallographic studies of a chitinase from *Crocus vernus*.** (HB961)

A. Akrem, S. Iqbal, F. Buck, A. Meyer, M. Perbandt, W. Voelter and C. Betzel

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 March 2011; 67(3): 340-343

**Crystal Structure of Human Antibody 2909 Reveals Conserved Features of Quaternary Structure-Specific Antibodies That Potently Neutralize HIV-1.**

Anita Changela, Xueling Wu, Yongping Yang, Baoshan Zhang, Jiang Zhu, Glenn A. Nardone, Sijy O'Dell, Marie Pancera, Mirosław K. Gorny, Sanjay Phogat, James E. Robinson, Leonidas Stamatatos, Susan Zolla-Pazner, John R. Mascola, and Peter D. Kwong

*Journal of Virology*, March 2011; 85(6): 2524-2535

**Expression, purification and crystallization of the Cmi immunity protein from *Escherichia coli*** (HB961)

C. Römer, S. I. Patzer, R. Albrecht, K. Zeth and V. Braun

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 April 2011; 67(4): 517-520.

**Structure of the HECT:ubiquitin complex and its role in ubiquitin chain elongation.**

Elena Maspero, Sara Mari, Eleonora Valentini, Andrea Musacchio, Alexander Fish, Sebastiano Pasqualato & Simona Polo  
*EMBO Reports*, 1 April 2011; 12(4): 342-349.

**Molecular cloning, overexpression, purification, crystallization and preliminary X-ray diffraction analysis of a purine nucleoside phosphorylase from *Bacillus subtilis* strain 168** (HB963)

N. H. Martins, A. N. Meza, C. R. Santos, P. O. de Giuseppe and M. T. Murakami  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 May 2011; 67(5): 618-622.

**Method and device for extracting an analyte.**

Inventors: Douglas T. Gjerde, Ronald Jones, Allen Burge  
*US Patent* number: 7943393 B2, Issue date: 17 May 2011

**Biochemical and structural characterization of a  $\beta$ -1,3–1,4-glucanase from *Bacillus subtilis* 168** (HG963)

Gilvan Pessoa Furtado, Lucas Ferreira Ribeiro, Camila Ramos Santos, Celisa Caldana Tonoli, Angelica Rodrigues de Souza, Renata Rocha Oliveira, Mario Tyago Murakami and Richard John Ward  
*Process Biochemistry*, May 2011; 46(5): 1202-1206

**Structure of the Respiratory Syncytial Virus Fusion Glycoprotein in the Post-fusion Conformation Reveals Preservation of Neutralizing Epitopes.**

Jason S. McLellan, Yongping Yang, Barney S. Graham, and Peter D. Kwong  
*J Virology*, 25 May 2011 (e-pub ahead of the print)

**Structure of a novel class II phospholipase D: Catalytic cleft is modified by a disulphide bridge.** (HB963)

Priscila Oliveira de Giuseppe, Anwar Ullah, Dilza Trevisan Silva, Luiza Helena Gremski, Ana Carolina Martins Wille, Daniele Chaves Moreira, Andrea Senff Ribeiro, Olga Meiri Chaim, Mario Tyago Murakami, Silvio Sanches Veiga and Raghuvir Krishnaswamy Arni  
*Biochemical & Biophysical Research Communications*, 17 June 2011; 409(17): 622-627

**Design and Characterization of Epitope-Scaffold Immunogens That Present the Motavizumab Epitope from Respiratory Syncytial Virus. (HB963)**

Jason S. McLellan, Bruno E. Correia, Man Chen, Yongping Yang, Barney S. Graham, William R. Schief and Peter D. Kwong  
*Journal of Molecular Biology*, 24 June 2011; 409(5): 853-866

**Glycosylation increases the thermostability of human aquaporin 10.**

Fredrik Oberg, Jennie Sjöhamn, Gerhard Fischer, Andreas Moberg, Anders Pedersen, Richard Neutze and Kristina Hedfalk  
*J Biol Chemistry*, 6 July 2011; [Epub ahead of print]

**Molecular basis of actin nucleation factor cooperativity: Crystal structure of the Spir-1 KIND / formin-2 FSI complex.** (HB961/963)

Kornelius Zeth, Markos Pechlivanis, Annette Samol, Sandra Pleiser, Clemens Vornhein and Eugen Kerkhoff  
*J Biol Chemistry*, 16 Jul 2011; [Epub ahead of print]

**Structure and mechanism of iron translocation by a DPS protein from Microbacterium arborescens.** (HB961)

Jelena Pasek, Rita Buechler, Reinhard Albrecht, Wilhelm Boland and Kornelius Zeth  
*J Biol Chemistry*, 16 Jul 2011; [Epub ahead of print]

**The Structure of BRMS1 Nuclear Export Signal and SNX6 Interacting Region Reveals a Hexamer Formed by Antiparallel Coiled Coils.**

Mercedes Spínola-Amilibia, José Rivera, Miguel Ortiz-Lombardía, Antonio Romero, José L. Neira and Jerónimo Bravo  
*J Mol Biology*, 18 Jul 2011; [Epub ahead of print]

**The light intensity at which cells are grown controls the type of peripheral lightharvesting complexes that are assembled in a purple photosynthetic bacterium** (HB8+1)

Tatas H.P. Brotsudarmo, Aaron M. Collins, Andrew Gall, Aleksander W. Roszak, Alastair T. Gardiner, Robert E. Blankenship and Richard J. Cogdell  
*Biochemical Journal*, 28 July 2011; (ahead of print, as manuscript BJ20110575)

**Warwick Macromolecular Crystallisation Facility.** (HB963)

David Roper (X-ray structural analysis group)  
2011; <http://www2.warwick.ac.uk/fac/sci/lifesci/research/droper/crystal/>

## **2010**

**Open channel solid phase extraction systems and methods.**

Inventors: Douglas T. Gierde, Christopher T. Hanna  
US Patent number: 7667010 B2; Issue date: 23 February 2010

**Crystallization and preliminary crystallographic analysis of eukaryotic transcription and mRNA export factor Iws1 from *Encephalitozoon cuniculi*** (HB 8+1)

M. Koch, M.-L. Diebold, J. Cavarelli and C. Romier  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, February 2010; 66(2): 207-210

**Structural studies of BmooMP $\alpha$ -I, a non-hemorrhagic metalloproteinase from *Bothrops moojeni* venom.** (HB963)

P.K. Akao, C.C.C. Tonoli, M.S. Navarro, A.C.O. Cintra, J.R. Neto, R.K. Arni and M.T. Murakami  
*Toxicon*, February-March 2010; 55(2-3): 361-368

**Mutant Ferritin L-chains That Cause Neurodegeneration Act in a Dominant-negative Manner to Reduce Ferritin Iron Incorporation.** (HB961)

Sara Luscieti, Paolo Santambrogio, Béatrice Langlois d'Estaintot, Thierry Granier, Anna Cozzi, Maura Poli, Bernard Gallois, Dario Finazzi, Angela Cattaneo, Sonia Levi and Paolo Arosio  
*The Journal of Biological Chemistry*, 16 April 2010; 285(16): 11948-11957.

**Structures of the OmpF porin crystallized in the presence of foscholine-12.**

Georgia Kefala, Chihoon Ahn, Martin Krupa, Luis Esquivies, Innokentiy Maslennikov, Witek Kwiatkowski, Senyon Choe  
*Protein Science*, May 2010; 19(5): 1117-1125

**ORF157 from the Archaeal Virus Acidianus Filamentous Virus 1 Defines a New Class of Nuclease** (HB961)

Adeline Goulet, Mery Pina, Peter Redder, David Prangishvili, Laura Vera, Julie Lichière, Nicolas Leulliot, Herman van Tilbeurgh, Miguel Ortiz-Lombardia, Valérie Campanacci, and Christian Cambillau  
*Journal of Virology*, May 2010; 84(10): 5025-5031

**A crystallization screen based on alternative polymeric precipitants.**

C. Grimm, A. Chari, K. Reuter and U. Fischer  
*Acta Crystallographica. D Biological Crystallography*, June 2010; 66(6): 685-697

**Structural and Functional Characterization of an RNase HI Domain from the Bifunctional Protein Rv2228c from *Mycobacterium tuberculosis*.**

Harriet A. Watkins, and Edward N. Baker  
*Journal of Bacteriology*, June 2010; 192(11): 2878-2886

**Structural Basis for the Activity and Substrate Specificity of Fluoroacetyl-CoA Thioesterase Flk.** (HB TM81)

Marcio V. B. Dias, Fanglu Huang, Dimitri Y. Chirgadze, Manuela Tosin, Dieter Spiteller, Emily F. V. Dry, Peter F. Leadlay, Jonathan B. Spencer and Tom L. Blundell  
*The Journal of Biological Chemistry*, 16 July 2010; 285(29): 22495-22504.

**Systems for Increased Cooling and Thawing Rates of Protein Solutions and Cells for Optimized Cryopreservation and Recovery.** (HB 161/181)

Inventors: Robert E. Thorne, Scott McFarlane, Matthew Warkentin  
*US Patent Application Publication # US 2010/0216230 A1*; Pub. Date: 26 August 2010

**Structural Insights into the Catalytic Mechanism of Bacterial Guanosine-diphospho-D-mannose Pyrophosphorylase and Its Regulation by Divalent Ions.**

Marie-Cécile Pelissier, Scott A. Lesley, Peter Kuhn and Yves Bourne

*The Journal of Biological Chemistry*, 27 August 2010; 285(35): 27468-27476.

**Crystal Structure of PG16 and Chimeric Dissection with Somatically Related PG9: Structure-Function Analysis of Two Quaternary-Specific Antibodies That Effectively Neutralize HIV-1**

Marie Pancera, Jason S. McLellan, Xueling Wu, Jiang Zhu, Anita Changela, Stephen D. Schmidt, Yongping Yang, Tongqing Zhou, Sanjay Phogat, John R. Mascola, and Peter D. Kwong

*Journal of Virology*, August 2010; 84(16): 8098-8110

**Expression, purification, crystallization and preliminary X-ray crystallographic data from TktA, a transketolase from the lactic acid bacterium *Lactobacillus salivarius*** (HB8+1)

M. Horsham, H. Saxby, J. Blake, N. W. Isaacs, T. J. Mitchell and A. Riboldi-Tunnicliffe  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, August 2010; 66(8): 899-901

**Isolation and crystallization of a chimeric Q $\beta$  replicase containing *Thermus thermophilus* EF-Ts** (HB8+1)

N. N. Vasiliev, L. Jenner, M. M. Yusupov and A. B. Chetverin  
*Biochemistry (Moscow)*, August 2010; 75(8): 989-994

**Purification, crystallization and preliminary crystallographic analysis of the catalytic domain of the extracellular cellulase CBHI from *Trichoderma harzianum*** (HB931)

F. Colussi, L. C. Textor, V. Serpa, R. N. Maeda, N. Pereira Jr and I. Polikarpov  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, September 2010; 66(9): 1041-1044

**Cloning, expression, purification, crystallization and preliminary X-ray diffraction studies of the catalytic domain of a hyperthermostable endo-1,4- $\beta$ -D-mannanase from *Thermotoga petrophila* RKU-1** (HB963)

C. R. Santos, F. M. Squina, A. M. Navarro, R. Ruller, R. Prade and M. T. Murakami  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, September 2010; 66(9): 1078-1081

**Isolation, crystallization and preliminary X-ray diffraction analysis of L-amino-acid oxidase from *Vipera ammodytes ammodytes* venom** (HB961)

D. Georgieva, A. Kardas, F. Buck, M. Perbandt and C. Betzel  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 October 2010; 66(10): 918-921

**Mechanism of 2-oxoglutarate signaling by the *Synechococcus elongatus* P<sub>II</sub> signal transduction protein.**

Oleksandra Fokina, Vasuki-Ranjani Chellamuthu, Karl Forchhammer & Kornelius Zeth  
*PNAS*, 16 November 2010; 107(46): 19760-19765

**Crystallization and preliminary X-ray data collection of the *Escherichia coli* lipoproteins BamC, BamD and BamE** (HB961)

R. Albrecht and K. Zeth

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 December 2010; 66(12): 1586-1590

**Crystallization and preliminary diffraction analysis of Wzi, a member of the capsule export and assembly pathway in *Escherichia coli*** (HB963)

S. R. Bushell, H. Lou, G. D. Wallat, K. Beis, C. Whitfield and J. H. Naismith

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 December 2010; 66(12): 1621-1625

**Preparation and crystallization of the Grb7 SH2 domain in complex with the G7-18NATE nonphosphorylated cyclic inhibitor peptide.**

M. Y. Yap, M. C. J. Wilce, D. J. Clayton, P. Perlmutter, M.-I. Aguilar and J. A. Wilce

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 December 2010; 66(12): 1640-1643

**Crystallization of the Na<sup>+</sup>-translocating NADH:quinone oxidoreductase from *Vibrio cholerae*** (HB963)

M. S. Casutt, S. Wendelspiess, J. Steuber and G. Fritz

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 December 2010; 66(12): 1677-1679

**Thermal-induced conformational changes in the product release area drive the enzymatic activity of xylanases 10B: Crystal structure, conformational stability and functional characterization of the xylanase 10B from *Thermotoga petrophila* RKU-1** (HB963)

Camila Ramos Santos, Andreia Navarro Meza, Zaira Bruna Hoffmam, Junio Cota Silva, Thabata Maria Alvarez, Roberto Ruller, Guilherme Menegon Giesel, Hugo Verli, Fabio Marcio Squina, Rolf Alexander Prade and Mario Tyago Murakami

*Biochem. Biophys. Research Communications*, 10 December 2010; 403(2): 214-219

## 2009

**Use of an in-house approach to study the three-dimensional structures of various outer membrane proteins: structure of the alcaligin outer membrane transporter FauA from *Bordetella pertussis*.**

K. Brillet, A. Meksem, E. Lauber, C. Reimann and D. Cobessi

*Acta Crystallographica. D Biological Crystallography*, 1 April 2009; 65(4): 326-331

**Expression, purification, crystallization and preliminary X-ray diffraction analysis of the TonB-dependent haem outer membrane transporter ShuA from *Shigella dysenteriae*.**

K. Brillet, A. Meksem, A. Thompson and D. Cobessi

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 April 2009; 65(4): 402-405

**Crystallization and preliminary X-ray diffraction analysis of Q4DV70 from *Trypanosoma cruzi*, a hypothetical protein with a putative thioredoxin domain (HB963)**

C. R. dos Santos, M. R. Fessel, L. C. Vieira, M. A. Krieger, S. Goldenberg, B. G.

Guimarães, N. I. T. Zanchin and J. A. R. G. Barbosa

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 June 2009; 65(6): 641-644

**Crystal Structure and Metal Binding Properties of the Lipoprotein MtsA, Responsible for Iron Transport in *Streptococcus pyogenes*.**

Xuesong Sun, Heather M. Baker, Ruiguang Ge, Hongzhe Sun, Qing-Yu He and Edward N. Baker

*Biochemistry*, 7 July 2009; 48(26): 6184-6190.

**The Crystal Structures of Chikungunya and Venezuelan Equine Encephalitis Virus nsP3 Macro Domains Define a Conserved Adenosine Binding Pocket.**

Hélène Malet, Bruno Coutard, Saïd Jamal, Hélène Dutartre, Nicolas Papageorgiou, Maarit Neuvonen, Tero Ahola, Naomi Forrester, Ernest A. Gould, Daniel Lafitte, Francois Ferron, Julien Lescar, Alexander E. Gorbalenya, Xavier de Lamballerie, and Bruno Canard

*Journal of Virology*, July 2009; 83(13): 6534-6545

**Crystallization and preliminary crystallographic analysis of the bacterial capsule assembly-regulating tyrosine phosphatases Wzb of *Escherichia coli* and Cps4B of *Streptococcus pneumoniae*.** (HB963)

H. Huang, G. Hagelueken, C. Whitfield and J. H. Naismith

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 August 2009; 65(8): 770-772

**Complete amino-acid sequence, crystallization and preliminary X-ray diffraction studies of leucurolysin-a, a nonhaemorrhagic metalloproteinase from *Bothrops leucurus* snake venom.** (HB963)

R. N. Ferreira, B. Rates, M. Richardson, B. G. Guimarães, E. O. F. Sanchez, A. M. C. Pimenta and R. A. P. Nagem

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 August 2009; 65(8): 798- 801

**Expression, purification, crystallization and preliminary crystallographic analysis of SpaA, a major pilin from *Corynebacterium diphtheriae*.**

H. J. Kang, N. G. Paterson and E. N. Baker

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 August 2009; 65(8): 802-804

**Expression, purification, crystallization and preliminary crystallographic analysis of an endo-1,5- $\alpha$ -L-arabinanase from hyperthermophilic *Thermotoga petrophila*.**

(HB963)

F. M. Squina, R. A. Prade, H. Wang and M. T. Murakami

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, September 2009; 65(9): 902-905

**Mechanistic Insights into Water Activation in SAM Hydroxide Adenosyltransferase (duf-62)** (HB963)

Hai Deng, Stephen A. McMahon, Alessandra S. Eustáquio, Bradley S. Moore, James H. Naismith, David O'Hagan

*ChemBioChem*, 12 October 2009; 10(15): 2455–2459

**Interaction between the SifA Virulence Factor and Its Host Target SKIP Is Essential for *Salmonella* Pathogenesis.**

Lautaro Diacovich , Audrey Dumont , Daniel Lafitte, Elodie Soprano, Aude-Agnès Guilhon, Christophe Bignon, Jean-Pierre Gorvel, Yves Bourne and Stéphane Méresse  
*The Journal of Biological Chemistry*, 27 November 2009; 284(48): 33151-33160.

**Production, purification, crystallization and preliminary X-ray diffraction studies of the nucleoside diphosphate kinase b from *Leishmania major*.** (HB963)

C. C. C. Tonoli, P. S. Vieira, R. J. Ward, R. K. Arni, A. H. C. de Oliveira and M. T. Murakami

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, November 2009; 65(11): 1116-1119

## 2008

**Semi-automated microseeding of nanolitre crystallization experiments.** (HB X8)

T. S. Walter, E. J. Mancini, J. Kadlec, S. C. Graham, R. Assenberg, J. Ren, S. Sainsbury, R. J. Owens, D. I. Stuart, J. M. Grimes and K. Harlos

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 January 2008; 64(1): 14-18

**Purification, crystallization and preliminary crystallographic analysis of *Streptococcus pyogenes* laminin-binding protein Lbp.**

C. Linke, T. T. Caradoc-Davies, T. Proft and E. N. Baker

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 January 2008; 64(2): 141-143

**[A new expression system for protein crystallization using trimeric coiled-coil adaptors.](#)** (HB961)

Birte Hernandez Alvarez, Marcus D. Hartmann, Reinhard Albrecht, Andrei N. Lupas, Kornelius Zeth and Dirk Linke

*Protein Engineering, Design and Selection*, January 2008; 21(1): 11-18.

**[Crystal structure of human IPS-1/MAVS/VISA/Cardif caspase activation recruitment domain](#)**

Jane A Potter, Richard E Randall and Garry L Taylor

*BMC Structural Biology*, 28 February 2008; 8:11

**[Structural and functional insights into human Tudor-SN, a key component linking RNA interference and editing.](#)** (HB961)

Chia-Lung Li, Wei-Zen Yang, Yi-Ping Chen and Hanna S. Yuan

*Nucleic Acids Research*, June 2008; 36(11): 3579-3589

**[Structure of coronavirus hemagglutinin-esterase offers insight into corona and influenza virus evolution](#)** (HB961)

Qinghong Zeng, Martijn A. Langereis, Arno L. W. van Vliet, Eric G. Huizinga, and Raoul J. de Groot

*PNAS*, 1 July 2008; 105(26): 9065-9069

**[Purification, crystallization and preliminary crystallographic analysis of DehI, a group I  \$\alpha\$ -haloacid dehalogenase from \*Pseudomonas putida\* strain PP3.](#)**

J. W. Schmidberger, J. A. Wilce, A. J. Weightman and M. C. J. Wilce

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, July 2008; 64(7): 596-598

**[Expression, purification, crystallization and preliminary X-ray analysis of an NADP-dependent glyceraldehyde-3-phosphate dehydrogenase from \*Helicobacter pylori\*](#)** (HB8+1)

P. R. Elliott, D. Evans, J. A. Greenwood and P. C. E. Moody

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, August 2008; 64(8): 723-726

**[Cloning, expression, purification and preliminary crystallographic analysis of the RNase HI domain of the \*Mycobacterium tuberculosis\* protein Rv2228c as a maltose-binding protein fusion.](#)**

H. A. Watkins and E. N. Baker

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, August 2008; 64(8): 746-749

**Purification, crystallization and preliminary crystallographic studies of SPCI-chymotrypsin complex at 2.8 Å resolution.**

Adelson Joel da Silva, Rozeni Chagas Lima Teles, Gisele Ferreira Esteves, Camila Ramos dos Santos, João Alexandre Ribeiro Gonçalves Barbosa, and Sonia Maria de Freitas

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 October 2008; 64(10): 914-917

**Phoenito experiments: combining the strengths of commercial crystallization automation.** (HB963)

J. Newman, T. M. Pham and T. S. Peat

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, November 2008; 64(11): 991-996

**Purification,, crystallization and data collection of *Pectobacterium chrysanthemi* AcsD, a type A siderophore synthetase.**

S. A. McMahon, M. Oke, H. Liu, K. A. Johnson, L. Carter, N. Kadi, M. F. White, G. L. Challis and J. H. Naismith

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, November 2008; 64(11): 1052-1055

**Purification, crystallization and preliminary crystallographic analysis of WsaF, an essential rhamnosyltransferase from *Geobacillus stearothermophilus*.** (HB963)

K. Steiner, A. Wojciechowska, C. Schäffer and J. H. Naismith

*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 December 2008; 64(12): 1163-1165

**The Structural Biology and Genomics Platform in Strasbourg: an Overview** (HB81)

Didier Busso, Jean-Claude Thierry and Dino Moras

*Methods in Molecular Biology*, 2008, Volume 426(5: Structural proteomics): 523-536

## 2007

**High-Resolution Crystal Structure of Plant Carboxylesterase AeCXE1, from *Actinidia eriantha*, and Its Complex with a High-Affinity Inhibitor Paraoxon.**

Nadeesha R. Ileperuma, Sean D. G. Marshall, Christopher J. Squire, Heather M. Baker, John G. Oakeshott, Robyn J. Russell, Kim M. Plummer, Richard D. Newcomb, and Edward N. Baker

*Biochemistry*, 20 February 2007; 46(7):1851-1859.

**Structures of the dimerization domains of the *Escherichia coli* disulfide-bond isomerase enzymes DsbC and DsbG.**

S.-M. Yeh, N. Koon, C. Squire and P. Metcalf

*Acta Crystallographica. D Biological Crystallography*, April 2007; 63(4): 465-471

**Expression, purification, crystallization, data collection and preliminary biochemical characterization of methicillin-resistant *Staphylococcus aureus* Sar2028, an aspartate/tyrosine/phenylalanine pyridoxal-5'-phosphate-dependent amino-transferase**

J. Seetharamappa, M. Oke, H. Liu, S. A. McMahon, K. A. Johnson, L. Carter, M. Dorward, M. Zawadzki, I. M. Overton, C. A. J. van Niekirk, S. Graham, C. H. Botting, G. L. Taylor, M. F. White, G. J. Barton, P. J. Coote and J. H. Naismith  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, 1 May 2007; 63(5): 452-456

**The structure of the *Escherichia coli* nucleoside diphosphate kinase reveals a new quaternary architecture for this enzyme family.** (HB961)

Lucile Moynié, Marie-France Giraud, Florian Georgescauld, Ioan Lascu, Alain Dautant  
*Proteins: Structure, Function, and Bioinformatics*, 15 May 2007; 67(3): 755–765

**Purification and preliminary crystallization of alanine racemase from *Streptococcus pneumoniae*.** (HB961)

Ulrich Strych, Milya Davlieva, Joseph P Longtin, Eileen L Murphy, Hookang Im, Michael J Benedik and Kurt L Krause  
*BMC Microbiology*, 17 May 2007; 7: 40

**Purification, crystallization and data collection of methicillin-resistant *Staphylococcus aureus* Sar2676, a pantothenate synthetase.**

J. Seetharamappa, M. Oke, H. Liu, S. A. McMahon, K. A. Johnson, L. Carter, M. Dorward, M. Zawadzki, I. M. Overton, C. A. J. van Niekirk, S. Graham, C. H. Botting, G. L. Taylor, M. F. White, G. J. Barton, P. J. Coote and J. H. Naismith  
*Acta Crystallographica. F Structural Biology & Crystallization Communications*, June 2007; 63(6): 488-491

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Therese Bergfors

In: *Protein crystallization strategies for structural genomics* (IUI Biotechnology), ed. Naomi E. Chayen, International University Line, July 2007; p. 57-86

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Inventors: Lin, Dawei; Liu, Zhi-jie; Praissman, Jeremy; Rose, John P.; Tempel, Wolfram; Wang, Bi-cheng  
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Inventors: Gjerde, Douglas T.;Hanna, Christopher P.;Burge, Allen

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