

CURRICULUM VITAE

PERSONAL DATA

Jochen Stefan Schmid
born the 11th of June 1974
in Ulm a.d. Donau
married
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PROFESSIONAL EXPERIENCE

From 04/19: **Associate Professor** for Biochemistry at the Norwegian University of Science and Technology, Department of Biotechnology and Food Science, Trondheim, Norway

From 05/18: **Temporary head** of the Chair of Bioprocess Engineering, Technical University of Munich, TUM Campus of Biotechnology and Sustainability

08/15 – 09/15: **Visiting researcher** at CONICET/PROIMI, Tucumán, Argentina (Prof. Julia Fariña)

Since 07/14: **CEO** of CASCAT GmbH, Straubing

11/13: **Visiting researcher** at University of Copenhagen, Denmark (Prof. Søren Engelsen)

10/13: **Visiting researcher** at Universidade Nova de Lisboa, Portugal (Prof. Maria Reis)

Since 03/13: **Research assistant** (in additional part time) at Fraunhofer IGB, Bio-, Electro- und Chemocatalysis BioCat, Branch Straubing

08/12 – 09/12: **Visiting researcher** at Keio University, Japan (Prof. Kenji Miyamoto)

Since 05/12: **Habilitation** in the field of Microbial Biotechnology

Since 12/09: **Head** of Metabolic Engineering and Microbial Polysaccharides

02/09 – 12/09: **Postdoc** at the Chair of Chemistry of Biogenic Resources at Technical University of Munich – setting up the newly founded chair (laboratories, head of lab, and genetic engineering approval S1/S2 including biomaterial regulation)

05/05 – 02/09: **Research assistant** with teaching duties at Institute of Microbiology and Genetics at Technische Universität Berlin, PhD in Biotechnology (**Dr.-Ing.**) Topic of PhD thesis: “Genetics of Scleroglucan production by *Sclerotium rolfsii*”

ACADEMIC STUDIES	10/98 – 05/05: Study course biotechnology – specialisation universal biotechnology and genetics. Degree: Dipl.-Ing.
DIPLOMA THESIS	09/04 – 05/05: Charité Berlin, Campus Virchow Klinikum Experimental Surgery “Evaluation of an operating concept for a hollow fiber based bio-reactor system suitable for light microscopy”
SEMINAR PAPER	10/02 – 01/03: Institute of Bioprocess Engineering, Technische Universität Berlin “Selection of DHA-producing microalgae and optimization of DHA-production in thermally sterilisable photo-bioreactors” (in German)
VOCATIONAL TRAINING	09/96 – 09/98: Brewery Gold Ochsen GmbH Ulm and Ferdinand-von-Steinbeiss-Berufsschule Ulm qualification: Brewer and Maltster
CIVILIAN SERVICE EDUCATION	10/94 – 12/95: Severely disabled care Arbeiter-Samariter-Bund Ulm 07/85 – 06/94: Hans-und-Sophie-Scholl-Gymnasium in Ulm qualification: Abitur
QUALIFICATIONS	Project Manager and Representative for Biological Safety §15 GenTSV Working with radioactive Isotopes Permission for use of pathogens (IfSG§44)
MEMBERSHIPS	Alexander von Humboldt-Foundation (Humboldtian) German Association of University Professors and Lecturers (DHV) DECHEMA
FUNCTIONS	Zukunftsforum Biotechnologie DECHEMA (spokesman since 2013) Advisory board expert group Systems Biology and Synthetic Biology DECHEMA Multiplier in the ProLehre Program of TU Munich since 2013
REVIEWER JOURNALS	Applied and Environmental Microbiology, Applied Microbiology and Biotechnology, Archives of Microbiology, Biocatalysis and Agricultural Biotechnology, BMC Genomics, Carbohydrate Polymers, Current Opinion In Microbiology, Engineering in Life Sciences, Food Hydrocolloids, Frontiers in Chemistry, Frontiers in Microbiology, Industrial Crops and Products, International Journal of Biological Macromolecules, Journal of Biotechnology, Journal of Yeast and Fungal Research, Metabolic Engineering, Molecular Ecology, Molecules, Nature Chemical Biology, New Phytologist, New Biotechnology, Polymers, Recent Patents on Engineering, Scientific Reports
GUEST/SPECIAL EDITOR	Frontiers in Microbiology Engineering in Life Sciences
REVIEWER FOUNDATIONS	Max Buchner Research Foundation, DECHEMA Alexander von Humboldt Foundation India Alliance – Welcome Trust DBT
AWARDS	10/15 Ernst Otto Fischer Award for Excellence in Teaching, TUM 06/15 Max Buchner Scholarship, DECHEMA 03/15 3 rd place Business Plan Competition IdeenReich 01/15 1 st place Business Plan Competition PlanB 09/14 TUM Teaching Endowment Fund 03/10 Travel Award (VAAM, ECFG XI)

CONGRESS
ORGANIZATION

2019 Organization of the 10th European Symposium of Biopolymers
2018 Organization of the Summer School „Synthetic Biology“
2017 Organization of the Summer School „Synthetic Biology“
2017 Systems Biology meets Synthetic Biology workshop (DECHEMA)
2015 - 2017 Frühjahrstagung der Biotechnologen (DECHEMA)
2016 Sondersession des Zukunftsforums Biotechnologie auf der ProcessNet
Jahrestagung – Die Zukunft der Biotechnologie
2014 Biopolymere Kongress Straubing
2012 Biopolymere Kongress Straubing

ENTERPRENEUR-
SHIP

2014 funder and CTO of the start-up company CASCAT GmbH in Straubing.
The business model comprises the process development of chemo-enzymatic
conversion routes for bulk and fine chemicals from biomass

LIST OF PUBLICATIONS

[impact x.xx = current impact/x.xx = 5 year impact]

PUBLISHED PAPERS (PEER REVIEWED)

1. Valdez AL, Babot JD, Schmid J, Delgado OD, Fariña JI (2019) Production of extracellular biopolymer by *Sclerotium rolfsii* ATCC 201126 on amylaceous and sugarcane molasses-based media. Sustainability, environmental benefits and promising insights for scaling-up. *Journal of Environmental Management* (submitted)
2. Wendel NJ, Riemenschenider M, Schmid J, Sieber V, Heider D (2018) GSysPath: Genome-wide systemic pathway screening in Bacteria and Archaea. *BMC Bioinformatics (in revision)*. [impact 2.45/3.45]
3. Schäper S, Wendt H, Bamberger J, Sieber V, Schmid J, Becker A (2019) A bifunctional UDP-sugar 4-epimerase supports biosynthesis of multiple cell surface polysaccharides in *Sinorhizobium meliloti*. *Journal of Bacteriology* p. JB.00801-18. [impact 3.26/xx]
4. Gansbiller M, Schmid J, Sieber V (2019) In-depth rheological characterization of genetically modified Xanthan variants. *Carbohydrate Polymers* 213: p. 236-246. [impact 5.15/5.32]
5. Schmid J (2018) Recent insights in microbial exopolysaccharide biosynthesis and engineering strategies. *Current Opinion in Biotechnology*. [impact 9.29/8.68]
6. Rütering M, Schmid J, Gansbiller M, Braun A, Kleinen J, Schilling M, Sieber V (2017) Rheological characterization of the exopolysaccharide Paenan in surfactant systems. *Carbohydrate Polymers* 181: p. 719-726. [impact 5.18/5.32]
7. Rütering M, Cress BF, Schilling M, Rühmann B, Koffas MAG, Sieber V, Schmid J (2017) Tailor-made Exopolysaccharides – CRISPR-Cas9 mediated genome editing in *Paenibacillus polymyxa*. *Synthetic Biology* 2(1): ysx007. [impact NA/NA]
8. Funk I, Sieber V, Schmid J (2017) Effects of glucose concentration on 1,18-cis-octadec-9-enedioic acid biotransformation efficiency and lipid body formation in *Candida tropicalis*. *Scientific Reports* 7(1): 13842. [impact 4.26/4.85]
9. Funk I, Rimmel N, Schorsch C, Sieber V, Schmid J (2017) Production of dodecanedioic acid via biotransformation of low cost plant-oil derivatives using *Candida tropicalis*. *Journal of Industrial Microbiology & Biotechnology*, 1-12. [impact 2.81/2.62]
10. Koenig S, Rühmann B, Sieber V, Schmid J (2017) Quantitative Assay of β -(1,3)- β -(1,6)-Glucans from Fermentation Broth Using Aniline Blue. *Carbohydrate Polymers* 174. [impact 5.18/5.32]
11. Harnisch F, Schmid J (2017) From emergence to consolidation or peaks: Riding the waves of bio-engineering. Editorial Special Issue. *Engineering in Life Sciences* 17(1), 4-5. [impact 2.12/NA]
12. Loscar ME, Huptas C, Wenning M, Sieber V, Schmid J (2016) Draft genome sequence of *Lysinibacillus xylanilyticus* SR-86. *Genome Announcements* 4(6):e01317-01316. [impact 1.18/NA]
13. Pick A, Beer B, Hemmi R, Momma R, Schmid J, Miyamoto K, Sieber V (2016) Identification and characterization of two new 5-keto-4-deoxy-D-Glucarate Dehydratases/Decarboxylases. *BMC Biotechnology* 16(1): p. 80. [impact 2.45/NA]
14. Schmid J, Huptas C, Wenning M (2016) Draft genome of the xanthan producer *Xanthomonas campestris* LMG 8031. *Genome Announcements* 4(5) e01069-16. [impact 1.18/NA]
15. Rütering M, Schmid J, Rühmann B, Schilling M, Sieber V (2016) Controlled production of poly-

- saccharides – exploiting nutrient supply for levan and heteropolysaccharide formation in *Paenibacillus* sp. *Carbohydrate Polymers* 148, 326-334. [impact 5.18/5.32]
16. Rühmann B, Schmid J, Sieber V (2016) Automated modular high throughput exopolysaccharide screening platform. *Journal of Visual Experiments* 110(e53249). [impact 1.32/NA]
 17. Schmid J, Fariña J, Rehm B, Sieber V (2016) Editorial: Research topic Microbial Exopolysaccharides: From genes to applications. *Frontiers in Microbiology* 7. [impact 4.17/4.17]
 18. Schmid J, Heider D, Wendel N J, Sperl N, Sieber V (2016) Bacterial Glycosyltransferases: Future perspectives of a highly diverse enzyme class toward tailoring natural products. *Frontiers in Microbiology* 7. [impact 4.17/NA]
 19. Rühmann B, Schmid J, Sieber V (2015) Methods to identify the unexplored diversity of microbial exopolysaccharides. *Frontiers in Microbiology* 6:565. [impact 4.17/NA]
 20. Schmid J, Sieber V, Rehm B (2015) Bacterial exopolysaccharides: Biosynthesis pathways and engineering strategies. *Frontiers in Microbiology* 6:496. [impact 4.17/NA]
 21. De Reese J, Sperl N, Schmid J, Sieber V, Plank J (2015) Effect of biotechnological modified alginates on LDH structures. *Bioinspired, Biomimetic and Nanobiomaterials* 1-34. [impact NA/NA]
 22. Schmid J, Sieber V (2015) Enzymatic transformations involved in the biosynthesis of microbial exopolysaccharides. *ChemBioChem* (invited minireview)16(8):1141-1147. [impact 3.09/3.67]
 23. Pick A, Schmid J, Sieber V (2015) Characterization of uronate dehydrogenases catalyzing the initial step in an oxidative pathway. *Microbial Biotechnology* 8:633-643. [impact 3.08/NA]
 24. Rühmann B, Schmid J, Sieber V (2015) High throughput exopolysaccharide screening platform: From strain cultivation to monosaccharide composition and carbohydrate fingerprinting in one day. *Carbohydrate Polymers* 122(0):212-220. [impact 5.18/5.32]
 25. Pick A, Ott W, Howe T, Schmid J, Sieber V (2014) Improving the NADH-cofactor specificity of the highly active AdhZ3 from *Escherichia coli* K-12. *Journal of Biotechnology* 189(0):157-165. [impact 2.88/3.22]
 26. Schmid J, Sperl N, Sieber V (2014) A comparison of genes involved in sphingan biosynthesis brought up to date. *Applied Microbiology and Biotechnology* 98(18):7719-7733. [impact 3.81/3.76]
 27. Schmid J, Koenig S, Pick A, Steffler F, Yoshida S, Miyamoto K, Sieber V (2014) Draft Genome Sequence of *Kozakia baliensis* SR-745, the First Sequenced *Kozakia* Strain from the Family *Acetobacteraceae*. *Genome Announcements* 2(3). [impact 1.18/NA]
 28. Rühmann B, Schmid J, Sieber V (2014) Fast carbohydrate analysis via liquid chromatography coupled with ultra violet and electrospray ionization ion trap detection (LC-UV-ESI-MS/MS) in 96-well format. *Journal of Chromatography A* 1350(0):44-50. [impact 4.25/4.33]
 29. Pick A, Rühmann B, Schmid J, Sieber V (2012) Novel CAD-like enzymes from *Escherichia coli* K-12 as additional tools in chemical production. *Applied Microbiology and Biotechnology* 97(13):5815-5824. [impact 3.81/3.76]
 30. Schmid J, Meyer V, Sieber V (2011) Scleroglucan: Biosynthesis, production and application of a versatile hydrocolloid. *Applied Microbiology and Biotechnology* 91(4):937-947. [impact 3.81/3.76]
 31. Schmid J, Müller-Hagen D, Bekel T, Funk L, Stahl U, Sieber V, Meyer V (2010) Transcriptome sequencing and comparative transcriptome analysis of the scleroglucan producer *Sclerotium rolfsii*. *BMC Genomics* 11:329. [impact 4.40/4.62]

32. Schwartlander R, Schmid J, Brandenburg B, Katenz E, Wolfgang F, Vondran R, Pless G, Cheng X D, Pascher A, Neuhaus P, Sauer I M (2007) Continuously microscopically observed and process-controlled cell culture within the SlideReactor: Proof of a new concept for cell characterization. *Tissue Engineering* 13, 187-196. [impact 4.48/5.44]
33. Schwartlander R, Schmid J, Katenz E, Cheng X D, Pless G, Modest D, Vondran F, Neuhaus P, Sauer I M (2006) The slidereactor – Proof of concept. *International Journal of Artificial Organs* 29, 519-519. [impact 1.76/1.54]
34. Sauer I M, Schwartlander R, Schmid J, Efimova E, Vondran F W R, Kehr D, Pless G, Spinelli A, Brandenburg B, Hildt E, Neuhaus P (2005) The SlideReactor – A simple hollow fiber based bioreactor suitable for light microscopy. *Artificial Organs* 29(3):264-267. [impact 2.05/1.80]

BOOKS AND BOOK CHAPTERS

35. Schmid J (2019) Engineering of microbial polysaccharide structures. In *Microbial Exopolysaccharides: Current Research and Developments*, Caister Academic Press (*in press*).
36. Sieber V, Schmid J, Hublik G (2019) Microbial Polysaccharides. In *Industrial Microbiology*, Springer (*in press*).
37. Schmid J, Sieber V (2019) Fermentative production of microbial exopolysaccharides. In *Bioprocessing of Food Ingredients Production*, Wiley (*in press*).
38. Schmid J, Sieber V (2019) The bacterial glycome: from monosaccharides to complex polysaccharides. In *Encyclopedia of Microbiology 4e*, Elsevier.
39. Schmid J, Rühmann B, Sieber V, Romero-Jiménez L, Sanjuán J, Pérez-Mendoza D (2018) Screening of c-di-GMP regulated exopolysaccharides in host interacting bacteria. In *Host-Pathogen Interactions: Methods and Protocols, Methods in Molecular Biology*, Springer.
40. Initiating and main Editor of *Research Topic (eBook), Frontiers in Microbiology: Microbial Exopolysaccharides: From genes to applications (2016)* (Editors: Schmid J, Fariña J, Rehm B, Sieber V). Twelve highly valuable articles from various experts in the field of microbial exopolysaccharides.
41. Clavel T, Mendez D, Schmid J, Kolossa S, Matzke L (2015) Das interdisziplinäre Forschungsseminar Erkenntnisse aus dem Pilotprojekt InDisNet. *Neues Handbuch Hochschullehre: Lehren und Lernen effizient gestalten*. Ausgabe 72, Signatur E 1.11.
42. Schmid J, Mueller-Hagen D, Sieber V, Meyer V (2013) Nucleic and Protein Extraction Methods for Fungal Exopolysaccharide Producers. In *Laboratory Protocols in Fungal Biology. Fungal Biology*. Gupta VK, Tuohy MG, Ayyachamy M, Turner KM, O'Donovan A (eds) Springer New York, pp 427-434.
43. Schmid J, Stahl U, Meyer V (2009) Genetic and Metabolic Engineering in Filamentous Fungi. In: Anke T, Weber D (eds) *Physiology and Genetics, vol 15. The Mycota*. Springer Berlin Heidelberg, pp 377-392.

OTHER PUBLICATIONS

44. Schmid J (2018) Divining sugar substrates, *News and Views, Nature Chemical Biology*, 14(12):1041. [impact 13.84/13.99]
45. Schmid J, Harnisch F (2017) Das neue Wissenschaftszeitvertragsgesetz: Intention und Status quo!? Editorial *BIOspektrum* 23 (2), 119-119. [impact NA/NA]
46. Schmid J (2016) Development of a Chassis Organism for the Heterologous Expression of Exopoly-

- saccharide-Encoding Operons. *Chemie Ingenieur Technik* 88(9): p1393-1393. [impact 0.65/NA]
47. Pick, A, Schmid J (2016) Katalytische Kaskadenreaktionen. *Chemie Ingenieur Technik* 88(9): p1385-1385. [impact 0.65/NA]
 48. Funk I, Schmid J, Sieber V (2016) Enhanced Bioconversion Efficiency of Fatty Acids towards α,ω -Dicarboxylic Acids via Bioprocess Engineering. *Chemie Ingenieur Technik* 88(9): p1243-1243. [impact 0.65/NA]
 49. Schmid J, Spiekermann A (2016) Constructive Alignment – Denn sie wissen, was sie tun! *Deutsche Universitätszeitung* 04/16. [impact NA/NA]
 50. Blombach B, Castiglione K, Haarmann T, Schmid J (2015) Trends in der Genomeditierung für die industrielle Biotechnologie *BIOspektrum* 21(7):788-790. [impact NA/NA]
 51. Schmid J, Muffler K (2015) Grüne Gentechnologie – der Ratio eine Chance. Editorial *BIOspektrum* 21, 367-367. [impact NA/NA]
 52. Schmid J (2014) Generalisierte Methode der bakteriellen Genommodifikation. *BIOspektrum* 20, 644. [impact NA/NA]
 53. Schmid J, Rühmann B, Koenig S, Rütering M, Sieber V (2014) Biosynthese und Genomik mikrobieller Polysaccharide. *BIOspektrum* 20 (3):288-290. [impact NA/NA]
 54. Bühler B, Junker B, Junne S, Kuepfer L, Mao L, Marienhagen J, Muffler K, Noack S, Olbrich C, Rihko-Struckmann L, Schallmey A, Schmid J, Stafforst T, Steingroewer J, Zurbriggen M (2014) Biotechnologie – der Schlüssel zur Bioökonomie. *DECHEMA Diskussionspapier*. [impact NA/NA]
 55. Schmid J, Sieber V (2014) Weiße Gentechnologie – Von Vitaminen & Aromen zu Industriechemikalien. *Band 8 der Schriftenreihe Gentechnik für Umwelt und Verbraucherschutz* – 5. Fachtagung Gentechnik. [impact NA/NA]

ORAL AND POSTER PRESENTATIONS

56. Tailored microbial exopolysaccharides and enzymatic cascades for chemical synthesis from renewable resources – **Opening lecture (2018)**, SAPROBIO 2018, 23rd August, San Miguel de Tucuman, Argentina.
57. Espectroscopia Raman como herramienta para monitoreo en bioprocesos de producción de biopolímeros tipo beta-glucano y su posterior caracterización – Poster (2018), SAPROBIO 2018, 23 - 25. August San Miguel de Tucuman, Argentina.
58. Expanding the natural diversity of microbial EPS by screening and genetic engineering approaches – Oral presentation (2018), 13. Juni, Granada, Spanien
59. *Paenibacillus polymyxa* as chassis for the heterologous expression of polysaccharides – Oral presentation (2018), 2nd Industrial Biotechnology Forum, March 13th, Garching, Germany
60. Production of renewable polymers from biomass – Invited oral presentation (2018), Kluyver Colloquium TU Delft, Februar 23rd Delft, Netherlands
61. Genome editing for the characterization of the biosynthesis pathways in various microbes – Oral presentation (2017) 1th German - Austrian Mini-symposium on renewable resources, November 20-21, Straubing, Germany
62. Production of renewable polymers from biomass and biomass conversion - Invited oral presentation (2017) Colloquium, August 4th, Leibniz Institute for Agricultural Engineering and Bioeconomy, Potsdam, Germany

63. Expanding the natural diversity of microbial Exopolysaccharides by screening and genetic engineering approaches – Invited Keynote Lecture (**2017**) 9th European Symposium on Biopolymers, July 5-8, Toulouse, France
64. CRISPR-Cas9 mediated alteration and characterization of microbial exopolysaccharides – Oral presentation (**2017**) 1th workshop Systems Biology meets Synthetic Biology, May 2-3, Frankfurt, Germany
65. Synthetic pathways towards novel terpenes and other fine chemicals – Invited oral presentation (**2016**) Scion Institut, 21th November, Rotorua, New Zealand
66. Genetic toolbox for the production of synthetic microbial exopolysaccharide variants – Poster (**2016**) Biopolymere, November 14-15, Straubing, Germany
67. Biotechnologie der Schlüssel zur Nachhaltigkeit in der Chemischen Industrie? – Invited oral presentation (**2016**) Fortbildungsveranstaltung für Chemiegymsiallehrer, VCI und Kultusministerium Bayern, October 7-8, Pelham, Germany
68. Synthetic Biology Approach for the Development of Customized Polysaccharides – Poster (**2016**) German conference on bioinformatics (GCB), September 12-15. Berlin, Germany
69. Enhanced bioconversion efficiency of fatty acids towards α , ω -dicarboxylic acids via bioprocess engineering – Oral presentation (**2016**) ProcessNet Jahrestagung und 32. DECHEMA-Jahrestagung der Biotechnologen, September 12-15, Aachen, Germany
70. Cascades in Catalysis – Poster (**2016**) ProcessNet Jahrestagung und 32. DECHEMA-Jahrestagung der Biotechnologen, September 12-15, Aachen, Germany
71. Development of a chassis organism for the heterologous expression of exopolysaccharide encoding operons – Oral presentation (**2016**) ProcessNet-Jahrestagung und 32. DECHEMA-Jahrestagung der Biotechnologen, September 12-15, Aachen, Germany
72. Biotechnological concepts for chemical and polymer production in the context of bioeconomy – Invited oral presentation (**2016**) UFZ EnergyDays, March 22-23, Leipzig, Germany
73. Genome editing strategies to realize tailor made exopolysaccharides – Poster (**2016**) 1th Industrial Biotechnology Forum, March 14-15, Garching, Germany
74. Optimization and transcriptional profiling of a biotransformation process toward α , ω -dicarboxylic acids in a small scale parallel bioreactor system – Poster (**2016**) 1th Industrial Biotechnology Forum, March 14-15, Garching, Germany
75. Enzymatic functionalization of algal lipids toward biobased lubricants – Poster (**2015**) 9th International Algae Congress, December 1-3, Lisbon, Portugal
76. Custom-made polysaccharides for new biobased materials – Oral presentation (**2015**) 2nd Sino-German Symposium DECHEMA, October 6-10, Frankfurt, Germany
77. Concepts for the production of biomass derived monomers and polymers – Invited oral presentation (**2015**) Applied Microbiology Symposium on the occasion of the visit of Prof. N. Louise Glass (UC Berkeley, USA), September 22nd, Freising, Germany
78. Modular Exopolysaccharide Screening Platform – Poster (**2015**) 8th European Symposium on Biopolymers, September 16-18, Rome, Italy. (*Awarded with Poster Prize*)
79. Novel Thickeners: Bacterial Exopolysaccharides for Industrial Applications – Poster (**2015**) 8th European Symposium on Biopolymers, September 16-18, Rome, Italy
80. Novel Bacterial Exopolysaccharide Variants Obtained by Screening and Engineering Approaches –

- Oral presentation **(2015)** 8th European Symposium on Biopolymers, September 16-18, Rome, Italy
81. Microbial exopolysaccharides and enzymatic reaction cascades toward biobased chemical production – Oral presentation **(2015)** Symposium CONICET August 28, Catamarca, Argentina
 82. Microbial exopolysaccharides and enzymatic reaction cascades toward biobased chemical production – Oral presentation **(2015)** Symposium CONICET/PROIMI, August 26, San Miguel de Tucumán, Argentina
 83. Identification of Organisms Capable of Producing Ethylene from Renewable Resources – The Farmstead Biorefinery Approach – Poster **(2015)** BIOTRANS, July 26-30, Vienna, Austria
 84. 5-keto-4-deoxy-D-Glucarate Dehydratase/Decarboxylase – Developing a pH-shift assay for activity measurements – Poster **(2015)** BIOTRANS, July 26-30, Vienna, Austria
 85. Optimization and transcriptional profiling of a biotransformation process toward α,ω -dicarboxylic acids in small scale parallel bioreactor system – Poster **(2015)** DECHEMA Himmelfahrtstagung, May 11-13, Hamburg, Germany
 86. Strategies to obtain novel – tailor made – microbial exopolysaccharides – Invited oral presentation **(2014)** 1th German Symposium on Biobased Chemicals and Biorefinery, October 7-10, Beijing, China
 87. Biotechnological requirements for sustainability in a bioeconomy – Invited oral presentation **(2014)** International Bioeconomy conference, May 22-23, Halle, Germany
 88. Engineering of the cofactor dependence of an alcoholdehydrogenase for its application in synthetic cascades – Poster **(2014)** Multistep Enzyme Catalyzed Processes Congress, March 7-10, Madrid, Spain
 89. Process optimization of biotransformation based bifunctional monomer generation via *Candida tropicalis* – Poster **(2014)** 7th Workshop on Fats and Oils as Renewable Feedstock for the Chemical Industry, March 23-25, Karlsruhe, Germany
 90. Novel microbial exopolysaccharides identified by a high throughput environmental screening approach – Oral presentation and poster **(2013)** European Symposium on Biopolymers October 7-9, Lisbon, Portugal
 91. Novel biorefinery concepts for a biobased economy – Oral presentation & Poster **(2013)** German-American Frontiers of Engineering Symposium, April 26-29, Irvine, California (*invited by Alexander von Humboldt foundation*)
 92. Neue mikrobielle Hydrokolloide als Alternative zu chemikalien-basierten Polymeren – Oral presentation **(2013)** Symposium Bioökonomie in Deutschland und Frankreich – Rohstoffe nutzen, June 20, Straubing, Germany
 93. Replacement of petropolymers by novel biopolymers – Biotechnological Production of Exopolysaccharides – Poster **(2012)** International Symposium on Biopolymers, October 7-10, Cairns, Australia
 94. Biotechnological Production of Exopolysaccharides – Poster **(2012)** Biopolymere, November 20th, Straubing, Germany
 95. Polysaccharides as novel biomaterials – Oral presentation **(2011)** 1th European Congress of Applied Biotechnology, September 25-29, Berlin, Germany
 96. Nachwachsende Rohstoffe als Quelle für Kunststoffe und Spezialchemikalien – Oral presentation **(2011)** Brau Breviale, November 9-11, Nuremberg, Germany
 97. *Escherichia coli*: Still unexhausted source for new biocatalysts – Poster **(2011)** BIOTRANS, October 2-6, Giardini, Naxos
 98. Nachwachsende Rohstoffe als Quelle für Kunststoffe und Spezialchemikalien – Oral presentation **(2011)**

5. Wasserseminar, Competence Pool Weihenstephan, September 15-16, Waidring, Austria
99. Transcriptome analysis of the scleroglucan producer *Sclerotium rolfsii* – Poster **(2010)** European Conference on Fungal Genetics, März 29-April 1, Leeuwenhorst, Netherlands
100. Replacement of petropolymers by novel biopolymers – Biotechnological Production of Exopolysaccharides – Poster **(2010)** Biopolymere, November 11, Straubing, Germany
101. A transcriptomic approach to isolate genes involved in scleroglucan production by *Sclerotium rolfsii* – Invited oral presentation **(2008)** 4th Hungarian Mycological Conference, 29-31. May Debrecen, Hungary
102. Unravelling The Complex Transcriptional Regulation Of The *aff* Gene Encoding The Antifungal Protein AFP of *Aspergillus giganteus* – Poster **(2008)** XX International Congress of Genetics, July 12-17, Berlin, Germany
103. A transcriptomic approach to isolate genes involved in scleroglucan production of *Sclerotium rolfsii* – Poster **(2007)** 8th VAAM Symposium Molecular Biology of Fungi, September 23-26, Hamburg, Germany
104. *Agrobacterium tumefaciens*-mediated and protoplast-mediated transformation of the basidiomycete *Sclerotium rolfsii* – Poster **(2006)** European Conference On Fungal Genetics, April 8-11, Wien, Germany
105. A proteomic approach for the basidiomycete *Sclerotium rolfsii* – Poster **(2006)** European Conference On Fungal Genetics, April 8-11, Wien, Germany