Curriculum Vitae

Christian Stanetty

Date of birth: January 5th 1980, Vienna
Address: Vienna University of Technology
Department of Applied Synthetic Chemistry
Getreidmarkt 9
A-1060, Vienna, Austria
Telephone: +43 1 58801 163253
Email: christian.stanetty@tuwien.ac.at
Homepage: https://www.ias.tuwien.ac.at/staff/christianstanetty

Scientific Output

27 Publications (peer reviewed, 2008-2020)
3 Patent families (WO, EP)
10 Oral presentations & 14 Posters at international conferences (presenting or corresponding)
Main field of research: Organic synthesis and analysis, Glycochemistry

Professional Experience

Summer 2001 & 2002	2×Internship at Syngenta Crop Protection, Basel*[1] (6 months)
2004 – 2006	(Student) assistant at the University of Vienna, Department of Medicinal Chemistry (Prof. Noe)
2006 – 2013	(Research) assistant at the University of Natural Resources and Life sciences, Vienna (BOKU) / Dep. Chemistry (Prof. Kosma) (post-doc since March 2010)
2013 – 2015	Post-doctoral research associate at Durham University, Department of Chemistry (Prof. Baxendale)
2015 – *to date*	Principal investigator Technische Universität Wien (TU Wien) (Prof. Mihovilovic)

Teaching Experiences

2004 – 2008	Tutor at the University of Applied Sciences – Biotechnology
2005 – 2006	Lector in analytical chemistry courses at Univ. of Vienna
2006 – 2013	Regular guidance of bachelor & master students at BOKU
2011 – 2013	Lector in organic chemistry courses at BOKU
2013 – 2015	Supervision of (under)graduate students at Durham University
2015 – *to date*	Supervison of (under)graduate students at TU Wien
2015 – *to date*	Senior assistant in basic/advanced organic chemistry lab courses

[1] Employers reference can be obtained as attachment (unfortunately only in German)

Main Scientific Academic Projects

2006-2010: ASPEX – Antiviral Spot of Excellence - http://www.aspex-vienna.at/
A variety of derivatives of Glycyrrhizin (triterpene saponine) and glycyrrhetinic acid (its aglycon) was synthesized for biological screening regarding antiviral activity and selective inhibition of 11β-hydroxysteroid dehydrogenases 11β-HSD1 and 11β-HSD2 (PhD).

2010 – 2011: The biogeochemistry of phytosiderophores in rhizosphere soil (FWF)
Mugineic acid and 2'-deoxy-mugineic acid were prepared in natural form and in ^{13}C-labeled form to be used as HPLC-MS standards and for geochemical and biological experiments aiming at the elucidation of the major sinks for these phytosiderophores that some plants use to gather iron from the rhizosphere soil.

2011 – 2013: Synthesis and immune recognition of the heptose phosphate region of bacterial lipopolysaccharides (FWF-project)

Phosphorylated oligosaccharide substructures of the inner core region of the gram negative-bacterial lipopolysaccharide based on L-*glycero*-D-*manno*-heptose were synthesized. The prepared compounds were evaluated with a cross-reactive monoclonal antibody, pulmonary surfactant protein D and mannose binding lectins

---------- *As Principal Investigator* ----------

2013 – 2016: Flow chemistry-based strategies towards LPS-substructures (Schrödinger)
New strategies are currently being developed towards both the preparation of higher carbon sugars found in bacterial LPS structures as well as their orthogonal protection to improve the availability of oligosaccharide structures based on these exotic carbohydrates.

2016 – to date: *N*-Heterocyclic carbene controlled dehomologation of aldoses (FWF)
The specific activation of the anomeric center of aldoses as an aldehyde functionality by NHC-catalysts is investigated in a methodological fashion. We are aiming to increase general understanding and applicability of this unique interaction, within this project in the context of a controlled dehomogolation protocol.

2019 – to date: Phytotrace (collaboration within ERC-Start grant at BOKU)
The modular synthesis of all known phytosiderophores from the mugineic acid family will be developed to provide material in natural form as well as in ^{13}C-labeled form for biological and analytical experiments in natural soil, elucidating the fate and role of these important compounds used by plants to harvest iron and other micronutrients *via* the root system.

2019 – to date: CelloTags (FFG Bridge; Industrial Partner: Glanzstoff)
Antimicrobial surfaces based on the decoration of Cellulose materials with small molecules will be developed with the ultimate goal being their application as antimicrobial textiles.

2019 – to date: BioSet (with Prof. Mihovilovic, NÖ-K3, Industrial Partner: Agrana)
Starting from industrial starch, oxidized materials will be prepared utilizing bio-catalytic procedures in combination with organic chemistry with the ultimate goal being bio-based adhesives.

2018 – to date: Proteogenomik der Marinen Polysaccharid Verwertung (POMPU, DFG grant at Universität Greifswald): A multidisciplinary consortium focuses on the utilization of marine polysaccharides. Our contribution is the structural elucidation of oligosaccharide structures derived from enzymatic degradation.

Awards and Scholarships

2003, 2005	Twice - Excellence Scholarship (Vienna Univ. of Technology)
2006	Prize for the best diploma thesis (Austrian Chemical Society)
2010	Prize of the Austrian Federal Ministry of Science and Research
2013	Erwin Schrödinger Fellowship (Austrian Science Fund)

University Education

1998 – 2005*[2]	Technical Chemistry at the Vienna University of Technology (interrupted for one year of Civil Services)
Diploma-thesis	*Synthesis of a New Class of Modulators of the NMDA Receptor Function (performed at the University of Vienna)*
2005 – 2010	PhD program at the Vienna University of Technology
PhD-thesis	*Synthesis of Bioactive Derivatives of Glycyrrhizin (performed at the University of Natural Resources and Life Sciences)*
Graduation	**Sub auspiciis praesidentis*[3]**

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Technical skills and Languages

Languages: German (mother tongue), English (fluent), French, Italian (basic school level)

Hardware: Shimadzu-HPLC-ELS-MS, Bruker and Varian NMR instruments, automated HPLC/MPLC, H-Cube™, Flow-start™, Flow chemistry equipment

Relevant software: MS-office, Chemdraw, Scifinder, Reaxys, Bruker-Topspin, Endnote, Mestre Nova

References

Prof. Dr. Ian R. Baxendale
Durham University
Chair of Synthetic Chemistry
i.r.baxendale@durham.ac.uk
Telephone: +44 191 3342185

Univ. Prof. Dr. Paul Kosma
University of Natural Resources and Life Science
Former Head of Department of Chemistry
paul.kosma@boku.ac.at
Telephone: +43-1-47654-6055

Univ. Prof. Dr. Marko D. Mihovilovic
Vienna University of Technology
Head of Institute of Applied Synthetic Chemistry
marko.mihovilovic@tuwien.ac.at
Telephone: +43-1-58801- 163 615

[2] Graduation with *summa cum laude*

[3] *Sub auspiciis promotion* is awarded by the Austrian Federal President for continuous and outstanding performance from school level until the end of the PhD to ~1 out of 1000 students

Scientific Output (2008-2019)

Scientific publications in international peer reviewed journals

1) Berndt, U.; **Stanetty, C.**; Wanek, T.; Kuntner, C.; Stanek, J.; Berger, M.; Bauer, M.; Henriksen, G.; Wester, H.-J.; Kvaternik, H.; Angelberger, P.; Noe, C. R. Synthesis of a [18F]fluorobenzothiazole as potential amyloid imaging agent
J. Label. Compd. Radiopharm. **2008**, *51*, 137-145 (DOI: 10.1002/jlcr.1476)

2) Del Ruiz-Ruiz, M.C.; Amer, H.; **Stanetty, C.**; Beseda, I., Czollner, L.; Shah, P.; Jordis, U.; Kueenburg, B.; Classen-Houben, D.; Hofinger, A.; Kosma, P. Efficient synthesis of glycyrrhetinic acid glycoside/glucuronide derivatives using silver zeolite as promoter
Carbohydr. Res. **2009**, *344(9)*, 1063-1071 (DOI: 10.1016/j.carres.2009.04.015)

3) Beseda, I.M; Czollner, L.; Shah, P. S.; Khunt, R.; Gaware, R.; Kosma, P.; **Stanetty, C.**; del Ruiz-Ruiz, M.C.; Amer, H.; Mereiter, K.; Da Cunha, Th.; Odermatt, A.; Classen-Houben, D. Jordis, U. Synthesis of glycyrrhetinic acid derivatives for the treatment of metabolic diseases
Bioorg.Med. Chem. **2010**, *18*, 433–454 (DOI: 10.1016/j.bmc.2009.10.036)

4) Amer, H.; Mereiter, K.; **Stanetty, C.**; Hofinger, A.; Czollner, L.; Beseda, I.; Jordis, U.; Kueenburg, B.; Classen-Houben, D.; Kosma, P. Synthesis and crystal structures of ring A modified glycyrrhetinic acid derivatives derived from 2,3-oxirane and 2,3-thiirane intermediates
Tetrahedron **2010**, *66*, 4390-4402 (DOI: 10.1016/j.tet.2010.03.098)

5) Dell'mour, M.; Koellensperger, G.; Quirino, J.; Haddad, P.; **Stanetty, C.**; Oburger, E.; Puschenreiter, M.; Hann, S.; Complexation of Metals by Phytosiderophores revealed by CE-ESI-MS and CE-ICP-MS
Electrophoresis **2010**, *31*, 1-7 (DOI: 10.1002/elps.200900635)

6) **Stanetty, C.**; Czollner, L.; Koller, I.; Shah, P.; Gaware, R.; Cunha, T. D.; Odermatt, A.; Jordis, U.; Kosma, P.; Classen-Houben, D. Synthesis of novel 3-amino and 29-hydroxamic acid derivatives of glycyrrhetinic acid as selective 11β-hydroxysteroid dehydrogenase 2 inhibitors
Biorg. Med. Chem. **2010**, *18*, 7522-7541 (DOI: 10.1016/j.bmc.2010.08.046)

7) Gaware, R.; Khunt, R.; Czollner, L.; **Stanetty, C.**; Cunha, T. D.; Kratschmar, D. V.; Odermatt, A.; Kosma, P.; Jordis, U.; Classen-Houben, D. Synthesis of new glycyrrhetinic acid derived ring A azepanone, 29-urea and 29-hydroxamic acid derivatives as selective 11β-hydroxysteroid dehydrogenase 2 inhibitors
Biorg. Med. Chem. **2011**, *19*, 1866-1880 (10.1016/j.bmc.2011.02.005)

8) Schrems, A.; Larisch, V. D.; **Stanetty, C.**; Dutter, K.; Damiati, S.; Sleytr, U. B.; Schuster, B. Liposome fusion on proteinaceous S-layer lattices triggered *via* [small

beta]-diketone ligand-europium(iii) complex formation
Soft Matter **2011**, *7*, 5514-5518 (DOI: 10.1039/C1SM05468F)

9) **Stanetty, C***.; Blaukopf, M. K.; Lachmann, B.; Noe, C. R. The Dinosyl Group: A Powerful Activator for the Regioselective Alcoholysis of Aziridines
Eur. J. Org. Chem. **2011**, 3126-3130 (DOI: 10.1002/ejoc.201100358)

10) Artner, D.; **Stanetty, C**; Mereiter, K.; Zamyatina, A.; Kosma, P. Crystal and molecular structure of methyl L-*glycero*-*a*-D-*manno*-heptopyranoside, and synthesis of 1→7 linked L-*glycero*-D-*manno*-heptobiose and its methyl *a*-glycoside
Carbohydr. Res. **2011**, *346*, 1739-1746 (DOI: 10.1016/j.carres.2011.05.033)

11) **Stanetty, C**.; Wolkerstorfer, A.; Amer, H.; Hofinger, A.; Jordis, U.; Classen-Houben,D.; Kosma, P. Synthesis and antiviral activities of N- and S-linked analogues of glycyrrhizin containing glucuronic acid and carboxyalkyl residues
Beilstein J. Org. Chem. **2012**, *8*, 705-711 (DOI: 10.3762/bjoc.8.79)

12) Marchetti, R.; Malinovska, L.; Lameignére, E.; Adamova, L.; de Castro, C.; Cioci, G.; **Stanetty, C.**; Kosma, P.; Molinaro, A.; Wimmerova, M.; Imberty, A.; Silipo, A. Burkholderia cenocepacia lectin A binding to heptoses from the bacterial lipopolysaccharide *Glycobiology*, **2012**, *22*, 1387-1398 (DOI:10.1093/glycob/cws105)

13) Lee, T.-W.; Verhey, T. B.; Antiperovitch, P. A.; Atamanyuk, D.; Desroy, N.; Oliveira, C.; Denis, A.; Gerusz, V.; Drocourt, E.; Loutet, S. A.; Hamad, M. A.; **Stanetty, C.**; Andres, S. N.; Sugiman-Marangos, S.; Kosma, P.; Valvano, M. A.; Moreau, F.; Junop, M. S. Structural-functional Studies of Burkholderia cenocepacia D-glycero-β-D-manno-heptose 7-phosphate Kinase (HldA) and Characterization of Inhibitors with Antibiotic Adjuvant and Antivirulence Properties, *J. Med. Chem.* **2013**, *56*, 1405–1417 (DOI: 10.1021/jm301483h)

14) Mikula, H.; Blaukopf, M.; Sixta, G.; **Stanetty, C.**; Kosma, P. Synthesis of ammonium 3-deoxy-D-manno-oct-2-ulopyranosylonate (ammonium kdo) *Carbohydr. Chem.: Proven Synth. Methods* **2014**, *2*, 207-211. (DOI:10.1201/b16602-26)

15) **Stanetty, C**.; Walter, M.; Kosma, P. Convergent Synthesis of 4-*O*-Phosphorylated L-glycero-D-manno-Heptosyl Lipopolysaccharide Core Oligosaccharides Based on Regioselective Cleavage of a 6,7-*O*-Tetraisopropyldisiloxane-1,3-diyl Protecting Group *J. Org. Chem.* **2014**, *79*, 582-598 (DOI: 10.1021/jo402312x)

16) Walter, M. R.; Artner, D.; **Stanetty, C.*** Synthesis of [$^{13}C_4$] -labeled 2'-deoxymugineic acid, *J. Labelled Compd. Radiopharm*. **2014**, *57*, 710-714. (DOI: 10.1002/jlcr.3242)

17) **Stanetty, C.***; Baxendale, I. R. Large-Scale Synthesis of Crystalline 1,2,3,4,6,7-Hexa-*O*-acetyl-L-glycero-α-D-manno-heptopyranose, *Eur. J. Org. Chem.* **2015**, 2718-2726. (DOI: 10.1002/ejoc.201500024)

18) Holmes, N.; Akien, G. R.; Savage, R. J. D.; **Stanetty, C.**; Baxendale, I. R.; Blacker, A. J.; Taylor, B. A.; Woodward, R. L.; Meadows, R. E.; Bourne, R. A. Online quantitative mass spectrometry for the rapid adaptive optimisation of automated flow reactors, *React. Chem. Eng.* **2016**, *1*, 96-100. (DOI: 10.1039/c5re00083a)

19) Oburger, E.; Gruber, B.; Wanek, W.; Watzinger, A.; **Stanetty, C.**; Schindlegger, Y.; Hann, S.; Schenkeveld, W. D. C.; Kraemer, S. M.; Puschenreiter, M. Microbial decomposition of 13C- labeled phytosiderophores in the rhizosphere of wheat: Mineralization dynamics and key microbial groups involved, *Soil Biol. Biochem.* **2016**, *98*, 196-207. (DOI: 10.1016/j.soilbio.2016.04.014)

20) Draskovits, M.; **Stanetty, C**.*; Baxendale, I. R.; Mihovilovic, M. D. Indium- and Zinc-Mediated Acyloxyallylation of Protected and Unprotected Aldotetroses—Revealing a Pronounced Diastereodivergence and a Fundamental Difference in the Performance of the Mediating Metal, *J. Org. Chem.* **2018**, *83*, 2647-2659 (DOI: 10.1021/acs.joc.7b03063)

21) Reisky, L.; **Stanetty, C.**; Mihovilovic, M. D.; Schweder, T.; Hehemann, J.-H.; Bornscheuer, U. T. Biochemical characterization of an ulvan lyase from the marine flavobacterium Formosa agariphila KMM 3901T *Appl. Microbiol. Biotechnol.* **2018**, 02 (16), 6987-6996. (DOI: 10.1007/s00253-018-9142-y)

22) Aronow, J.; **Stanetty, C.***; Baxendale, I. R.; Mihovilovic, M. D. Methyl glycosides via Fischer glycosylation: translation from batch microwave to continuous flow processing *Monatsh. Chem.* **2019,** *150*, 11-19. (https://doi.org/10.1007/s00706-018-2306-8)

23) Reisky, L.; Préchoux, A.; Zühlke, M.-K.; Bäumgen, M.; Robb, C. S.; Gerlach, N.; Roret, T.; **Stanetty, C**.; Larocque, R.; Michel, G.; Song, T.; Markert, S.; Unfried, F.; Mihovilovic, M. D.; Trautwein-Schult, A.; Becher, D.; Schweder, T.; Bornscheuer, U. T.; Hehemann, J.-H., A marine bacterial enzymatic cascade degrades the algal polysaccharide ulvan *Nature Chemical Biology* **2019,** *15*, 803-812. (10.1038/s41589-019-0311-9)

24) Draskovits, M.; Kalaus, H.; **Stanetty, C.***; Mihovilovic, M.D., Intercepted dehomologation of aldoses by N-heterocyclic carbene catalysis – a novel transformation in carbohydrate chemistry *Chem. Commun.* **2019**, 55, 12144-12147 (10.1039/C9CC05906G)

25) Suster, C.;Baxendale, I.R.; Mihovilovic, M.D.; **Stanetty, C.***, Straight forward and versatile differentiation of the L-glycero and D-glycero-D-manno heptose scaffold *Front. Chem.* 2020, **2020,** *8* (625) (10.3389/fchem.2020.00625)

26) Kratena, N.; Gökler, T.; Maltrovsky, L.; Oburger, E.; Stanetty, C., A Unified Approach to Phytosiderophore Natural Products. *Chem. Eur. J.*, **2020**, *accepted* (10.1002/chem.202004004)

27) Savic, V.; Eder, F.; Goeb, C.; Mihovilovic, MD; Stanetty, C.; Stoeger B.*, The role of hydrogen bonding in the incommensurate modulation of *myo*-inositol camphor ketal. *Acta Cryst.* B, 2020, *accepted*

Patents

1) D. Classen-Houben; B. Kueenburg; P. Kosma; U. Jordis; C. Stanetty; O. Szolar; A. Wolkerstorfer. Synthesis of antiviral triterpene-sugar derivatives
EP2258713A1 2010, 28pp

2) D. Classen-Houben; B. Kueenburg; P. Kosma; U. Jordis; C. Stanetty; L. Czollner. N-hydroxy C29-amide derivatives of oleandrane for the treatment of diseases mediated by 11β-HSD
WO2010103046A1 2010, 105pp.

3) D. Classen-Houben; B. Kueenburg; P. U. Kosma; U. A. U. Jordis; C. Stanetty; C. Laszlo Novel triterpene derivatives for treatment of diseases mediated by 11β-HSD
EP2228380A1 2010, 43pp.

Oral presentations at international conferences

1) 17th International Symposium on Radiopharmaceutical Sciences, Aachen Germany, April **2007**; Berndt, U. E. Ch.; Angelberger, P.; **Stanetty, C.**; Kuntner, C.; Wanek, T.; Berger, M.; Bauer, M.; Wolf, T.; Benani-Baiti, B.; Kvaternik, H.; Noe, C. R.

   Synthesis and Evaluation of [^{18}F]FBTA, a Potential Amyloid Imaging Agent

2) 13th Austrian Chemistry Days, Vienna August **2009; Stanetty, C.**; Blaukopf, M. K.; Lachmann, B.; Noe, C. R. Application of the *N*-(2,4-Dinosyl)group in the uncatalyzed alcoholic aziridine cleavage

3) 26th International Symposium on Carbohydrate Chemistry, Madrid Spain, **2012**; **Stanetty, C.**, Kosma, P. Synthesis of phosphorylated L-*glycero*-D-*manno* heptopyranoside substructures of bacterial LPS

4) 3rd European Young Investigator Workshop - Glycoscience, Berlin Germany, **2013 Stanetty, C.**; Walter M.; Kosma, P. Synthesis of Phosphorylated Hepto-Oligosaccharides from Bacterial LPS

5) 17th European Carbohydrate Symposium, Tel Aviv Israel, **2013 Stanetty, C.**; Walter M.; Kosma, P. Synthesis of phosphorylated L-glycero-D-manno heptoside containing bacterial LPS fragments

6) 28th International Symposium on Carbohydrate Chemistry, New Orleans, USA, **2016**; **Stanetty, C.***, Baxendale, I.R., Mihovilovic M.D Simple access to L-glycero-D-manno heptose at scale – a milestone towards more convenient syntheses of bacterial LPS-substructures

7) 29th International Symposium on Carbohydrate Chemistry, Lisbon, Portugal, **2018**; **Stanetty, C.***; Draskovits, M.; Baxendale, I.R., Mihovilovic M.D. The acyloxy-allylation of (un)protected tetroses revealing a pronounced diastereo-divergence and a fundamental difference in the performance of the mediating metal

8) 7th EuCheMS Chemistry Congress, Liverpool, UK, **2018**, **Stanetty, C.***; Draskovits, M.; Baxendale, I.R., Mihovilovic M.D. The acyloxy-allylation of (un)protected

tetroses revealing a pronounced diastereo-divergence and a fundamental difference in the performance of the mediating metal

9) 20th European Carbohydrate Symposium, Leiden, Netherlands, **2019**, **Stanetty, C.***; Draskovits M.; Kalaus, H.; Reichetseder, A.; Marko D. Mihovilovic *N*-heterocyclic carbene mediated activation of aldoses: catalyst controlled divergence

10) 20th European Carbohydrate Symposium, Leiden, Netherlands, **2019**, Draskovits M., Kalaus, H.; **Stanetty, C.**;* Marko D. Mihovilovic Sugars: sweet tales from an aldehyde's perspective

Posters at international conferences (selection)

1) 20th International Congress in Heterocyclic Chemistry, Palermo Italy, August **2005**; Noe, C. R.; Berger, M. L.; **Stanetty, C.**
Synthesis of a New Class of Modulators of the NMDA-Receptor Function

2) 11th Blue Danube Symposium on Heterocyclic Chemistry, Brno Czech. Republic, September **2005**; Noe, C. R.; Berger, M. L.; **Stanetty, C.**
Synthetic Strategies towards "C-substituted Oligoether-bridged Terminal Diamines"

3) 1st European Chemistry Congress Budapest Hungary, August **2006**; Noe, C. R.; Lachmann, B.; **Stanetty, C.**
Recent Results in the Alcoholic Aziridine Cleavage

4) Technologiegespräche Forum Alpach **2007**; Berndt, U. E. Ch.; **Stanetty, C.**; Kvaternik, H.; Berger, M.; Benani-Baiti, B.; Bauer, M.; Wolf, T.; Stanek, J.; Wanek, T.; Kuntner, C.; Angelberger, P.; Noe, C.R.
Synthesis and Evaluation of a [^{18}F]Fluorobenzothiazole as Potential Amyloid Imaging Agent

5) 24th International Carbohydrate Symposium, Oslo Norway, July **2008**; Ruiz Ruiz, C.; Amer, H.; **Stanetty, C**. Beseda, I.; Czollner, L.; Sha, P.; Jordis, U.; Kueenburg, B.; Classen-Houben, D.; Kosma P.
Synthesis of Glycyrrhetinic Acid Glycosides

6) Münchner Synthesefest, München Germany, March **2009**; **Stanetty, C.**; Blaukopf, M. K.; Lachmann, B.; Noe, C. R.
The *N*-(2,4-Dinosyl)group as Potent Activator for the Alcoholysis of Aziridines

7) 15th Eurocarb Symposium, Vienna Austria, July **2009**; **Stanetty, C.;** Mutzl, M.; Amer, H.; Beseda, I.; Czollner, L.; Szolar, O.; Classen-Houben, D.; Jordis, U.; Wolkerstorfer, A.; Kosma, P.
Synthesis and Antiviral Activity of Thioglucuronide-Derivatives of Glycyrrhizin

8) 3rd EuCheMS Chemistry Congress, Nürnberg Germany, August **2010**; **Stanetty, C.**; Amer, H.; Wolkerstorfer, A.; Doppelreiter, A.; Classen-Houben, D.; Kosma, P.
Synthesis and Antiviral Activities of Novel Glycyrrhizin based Neoglycosides

9) 17th Eurocarb Symposium, Sorrento Italy, July **2011**; **Stanetty, C.**; Mereiter, K.; Artner, D.; Zamyatina, A.; Kosma, P. Crystal structure of methyl L-*glycero*-α-D-*manno*-heptopyranoside and synthesis of 1→7 linked L-glycero-α-D-manno-heptobiosides

10) 6th Spanish-Portuguese-Japanese Organic Chemistry Symposium, Lissabon Portugal, **2012**; **Stanetty, C.**, Kosma, P. Synthesis of phosphorylated L-*glycero*-D-*manno* heptopyranoside substructures of bacterial LPS

11) 15th Austrian Chemistry Days, Vienna, Austria, **2013**; Walter M.; Artner, D.; **Stanetty C**. Synthesis of $^{13}C_4$-labelled Phytosiderophore 2'-Deoxymugineic Acid

12) 19th European Carbohydrate Symposium, Barcelona, Spain, **2017**; **Stanetty C.**, Draskovits M., Marko D. Mihovilovic. The indium mediated acyloxyallylation of aldoses – a revisiting worthwhile

13) 29th International Symposium on Carbohydrate Chemistry, Lisbon, Portugal, **2018**; Draskovits, M.; **Stanetty, C.**; Kalaus, H.; Mihovilovic M.D. The N-Heterocyclic Carbene Controlled Dehomologation of Aldoses

14) 20th European Carbohydrate Symposium, Leiden, Netherlands, **2019**; Kalaus, H.; Reichetseder, A.; **Stanetty C.**, Marko D. Mihovilovic. Kinetic Quantification of Aldose Open-Chain Content