



Curriculum Vitae

Prof. PD. Dr. Thomas L. Mindt

Personal Data:

Date of Birth: May 27th 1969
 Place of Birth: Summit (NJ), USA
 Nationality: CH/US

Address:

Schumanngasse 16/10
 1180 Vienna, Austria
 e-mail: t.mindt@gmx.ch

Professional Assignments

- 2020-present *Professor in Bioinorganic Radiochemistry*, Department of Inorganic Chemistry, Faculty of Chemistry, **University of Vienna**, Vienna (AT); affiliated with the **Medical University of Vienna** (AT)
- 2016-present *Co-Founder of the Ludwig Boltzmann Institute Applied Diagnostics and Head of Imaging Biomarkers*, **Ludwig Boltzmann Society**, Vienna (AT)
- 2017-2020 *Lecturer (Privat Dozent)*, Department of Inorganic Chemistry, Faculty of Chemistry, **University of Vienna**, Vienna (AT)
- 2015-2016 *Visiting Professor in Radiopharmaceutical Sciences* (Sabbatical), **ETH Zurich** (CH)
- 2009-2015 *Assistant Professor in Radiopharmaceutical Chemistry*, **University of Basel**, (CH)
- 2005-2009 *Senior Scientist* (2007-2009), *Postdoctoral Fellow* (2005-2006), **ETH Zurich** (CH)
- 2003-2004 *Principle Scientist*, **Physical Science Inc.**, Andover, MA (US, 2004), and **Absolute Science**, Cambridge, MA (US, 2003)

Academia

- 2020 *Primo Loco*, Professorship in Bioinorganic Radiochemistry, **University of Vienna** (AT); call accepted
- 2020 *Secundo Loco*, Professorship in Experimental Radiopharmacy, **University of Duisburg-Essen** (DE)
- 2019 *Tertio Loco*, Professorship in Bioinorganic and Radiopharmaceutical Chemistry, **Technical University of Dresden** and Head of the Institute of Radiopharmaceutical Research, **Helmholtz Centre Dresden-Rossendorf** (DE)
- 2018 *Habilitation* in Radiochemistry (*Venia Legendi*), **University of Vienna** (AT)
- 2015-present *Honorary Professor* in Radiopharmaceutical Chemistry (*Venia Legendi*), **University of Basel** (CH)
- 2009 *Primo Loco*, Assistant Professor in Radiochemistry, **University of Basel** (CH); call accepted

Education

- 1998 - 2002 *Ph.D.* in Organic Synthetic Chemistry, **Brown University**, Providence, RI (US)
- 1993 - 1997 *Eidg. Dipl. Chemical Engineer FH* (M.Sc.) with Double Major in Organic Chemistry and Biotechnology, **University of Applied Science**, Winterthur (CH)

Honors and Awards

- 2019 Best Article Award of the *European Journal of Nuclear Medicine and Molecular Imaging* (Springer), **32nd Congress of the European Association of Nuclear Medicine**, Barcelona (ES)
- 2007 Young Investigator Award, Society of Radiopharmaceutical Sciences, **17th International Symposium on Radiopharmaceutical Sciences**, Aachen (DE)

- 2001 **Brown University** Dissertation Fellowship, Providence, RI (US)
- 1998 - 2001 Fellow of the Graduate Assistance in Areas of National Need Program of the US Department of Education, **Brown University**, RI (US)
- 2000 Elected Member of the Scientific Research Society Sigma Xi (US)
- 1999 William T. King Prize for Outstanding Performance as a Teaching Assistant, **Brown University**, Providence, RI (US)
- 1998 Dr. Max Lüthi Honor (Swiss Chemical Society) for the Best FH-Diploma Thesis in Chemistry 1997, **ETH Zürich** (CH)
- 1997 SVCT-Prize (Swiss Association of Chemists HTL) for the Best Diploma Grade in Chemistry, **University of Applied Science ZHW**, Winterthur (CH)

Member of Professional Associations

- 2017-present Austrian Society of Nuclear Medicine and Molecular Imaging
- 2017-present Austrian Society of Chemistry
- 2011-present Society of Nuclear Medicine and Molecular Imaging
- 2010-present European Society of Molecular Imaging
- 2008-present European Association of Nuclear Medicine and Molecular Imaging
- 2007-present DE/AT/CH Working Group Radiopharmacy/Radiopharmaceutical Chemistry
- 2006-2016 Swiss Society of Radiopharmacy/Radiopharmaceutical Chemistry
- 2005-present Society of Radiopharmaceutical Sciences
- 1999-present American Chemical Society, Division of Organic Chemistry
- 1999-2014 Sigma Xi the Scientific Research Society, Elected Member
- 1998-present Swiss Chemical Society

Activities in Organisations and Board Memberships

- 2018-present Editorial Board Member of *Nuclear Medicine and Biology*, Journal of the International Society of Radiopharmaceutical Sciences, Elsevier
- 2018-present Editorial Board Member of *Molecules*, a Journal of MDPI
- 2018-present Vice-Chair and Founding Board Member of the *European Society of Radiopharmacy and Radiopharmaceuticals* (ESRR)
- 2012-present Member of the Radiopharmacy Committee (Scientific Advisor), *European Association of Nuclear Medicine* (EANM): Publishing guidelines and position papers on topics of current interest for the community
- 2013-present Member of the Scientific Program Committee, *EANM*: Organisation of scientific and continuous medical education (CME) sessions and pre-symposia for EANM congresses; abstract reviewing
- 2012-2014 Swiss National Radiopharmacy Delegate, *EANM*: Evaluation and feedback to various publications of EANM committees
- 2011-2016 Member of the Swiss Examination Board of Module III "Radiopharmacy for MDs", *Swiss Society of Radiopharmacy/Radiopharmaceutical Chemistry*
- 2009-2015 Editorial Board Member of the *Open Catalysis Journal*

Funding (since 2009 as an independent investigator)

-
- 2020-2024 Co-Investigator, Austrian Science Fund (FWF): "Impact of the K-Ras Status on the Activity of Albumin-Targeted Anticancer Drugs" (PI: Prof. P. Heffeter of MUW Cancer Center)
- 2020-2024 Principle Investigator, Bridge-1 of the Austrian Research Promotion Agency (FFG): "Radiostar: Novel Chelators for Radio-Lanthanides and-Actinides" (with

TUWien and DSD-Pharma GmbH, AT)

- 2018-2022 Principle Investigator, Austrian Science Fund (FWF), AT: “Improved Tumour Targeting with Radiolabelled Peptido-mimetics” (Nr. P 31477-B28)
- 2018-2020 Principle Investigator, Industry collaboration with Orano (FR): “Investigations Toward Novel Chelating Systems for Radium-223 for Targeted Alpha (α) Therapies” (with Prof. G. Gasser, Chimie ParisTech, FR)
- 2019/2020 Principle Investigator, FEMtech of the Austrian Research Promotion Agency (FFG) for Master Theses: 1) “Development of Multi-Kit Procedures”; 2) “Development of Radiotracers for Colorectal and Prostate Cancer”
- 2016-2023 Co-Founder of the Ludwig Boltzmann Institute Applied Diagnostics, Ludwig Boltzmann Society, AT (with Profs M. Mitterhauser, G. Egger, M. Zeitlinger, and J. Simon (all Medical University of Vienna, AT))
- 2015-2019 Principle Investigator, Swiss National Science Foundation (SNSF), CH: “Verbessertes Tumor-Targeting mit Radioaktiv-Markierten Peptidomimetika” (Nr. 2021_157076/1); Patent **2017EP17192428**
- 2015-2019 Principle Investigator (with Co-Investigator Prof. Gilles Gasser, University of Zurich, Switzerland), Swiss National Science Foundation (SNSF), CH: “Neue Multidentate Bifunktionale Chelator Systeme für die Entwicklung von Zirkonium-89 Basierenden Molekularen Bildgebungsproben” (Nr. 205321_157216/1); Patent **WO2015140212A1**
- 2014-2016 Principal Investigator, Cancer League Basel, CH: Development of ^{99m}Tc-Tricarbonyl-Based Radiotracers with Improved Pharmacokinetic Profiles for Efficient Tumor Targeting”
- 2014-2015 Co-Applicant (PI: Prof. M. Gotthardt, Radboud University, The Netherlands), EU FP7-HEALTH Project: “betaCure” (Nr. 602812)
- 2013-2015 Principal Investigator, Novartis-University of Basel Excellence Scholarship for Life Sciences, CH: “Development of Novel GLP-1 Receptor Targeting Radiopeptides for Diagnosis and Therapy of Insulinomas”
- 2012-2013 Principal Investigator, Cancer League Basel, CH: “Novel Antagonistic Radiopeptide Mimetics for the Diagnosis and Therapy of Cancer” (Nr. 12-2012)
- 2012-2014 Co-Investigator (Principle Investigator Dr. M. Walter, University of Bern, Switzerland), Berner Krebsliga, CH: “Somatostatin-coupled Nanoparticles for Cancer Imaging and Therapy”
- 2011-2013 Principal Investigator, T. & L. La Roche Foundation, CH: “Development of Zirconium-89 Based Radiopharmaceuticals for the Imaging of Insulinoma by PET”
- 2011-2015 Principal Investigator, Swiss National Science Foundation (SNSF), CH: “Neuartige radioaktiv-markierte Peptidomimetika für Tumor Targeting” (Nr.205321_132280/1)
- 2010-2012 Principal Investigator, Nora van Meeuwen Stiftung, CH: “Radioaktiv-markierte Peptid Analoga für Nuklearmedizinische Anwendungen“
- 2009-2015 Principal Investigator, Internal Funding, University of Basel, CH: various projects
- 2009-2015 Industry Collaborations and Consultancies (see text above: Industry Collaborations)
-

Appendix I: Publications and Patents

	All					
Citations	2704					
h-index	25					
i10-index	43					
Google Scholar (June 2020)						

A) Peer-Reviewed Publications

1. "1,4-Disubstituted 1,2,3-Triazoles as Amide Bond Surrogate for the Stabilisation of Linear Peptides with Biological Activity" L. M. Recnik, W. Kandioller, T. L. Mindt *Molecules* **2020**, *25*, 3576-3602. DOI: 10.3390/molecules25163576
2. "Head to Head Comparison of the Next Generation Chelators DFO*-NCS and DFOSquaramide: Selection of the Best Candidate for Clinical ⁸⁹Zr-Immuno-PET" M. Chomet, M. Schreurs, M. J. Bolijn, M. Verlaan, W. Beaino, K. Brown, A. J. Poot, A. D. Windhorst, H. Gill, J. Marik, S. Williams, S. E. Rudd, P. Donnelly, J. Cowell, G. Gasser, T. L. Mindt, G. A.M.S van Dongen, D. J. Vugts *European Journal of Nuclear Medicine and Molecular Imaging* **2020**, *submitted*.
3. "Single Peptide Backbone Surrogate Mutations to Regulate GPCR Subtype Selectivity" E. I. Vrettos, I. E. Valverde, A. Mascarín, P. N. Pallier, M. Fragai, G. Parigi, B. Hirmiz, N. Bekas, N. M. Grob, E. Stylos, M. Del Borgo, M.-I. Aguilar, F. Magnani, N. Syed, T. Crook, E. Waqif, E. Ghazaly, R. E. Widdop, C. Luchinat, A. T. Michael-Titus, T. L. Mindt, A. G. Tzakos *Chemistry – A European Journal* **2020**, *on-line* (*highlighted as cover page illustration, shared corresponding authorship T. L. M. and A. G. T.*). DOI: 10.1002/chem.202000924
4. "Sorbitol as a Polar Pharmacological Modifier to Enhance the Hydrophilicity of ^{99m}Tc-Tricarbonyl-Based Radiopharmaceuticals" C. Giammei, T. Balber, K. Bencurova, J. Cardinale, N. Berroterán-Infante, M. Brandt, N. Jouini, M. Hacker, M. Mitterhauser and T. L. Mindt *Molecules* **2020**, *25*, 2680-2694. DOI: 10.3390/molecules25112680
5. "DFO* and oxoDFO*: Optimized Chelators for ⁸⁹Zr-ImmunoPET Applications" M. Brandt, J. Cowell, M. Briand, G. Gasser, T. L. Mindt *Journal of Biological Inorganic Chemistry* **2020**, *on-line*. DOI: [10.1007/s00775-020-01800-4](https://doi.org/10.1007/s00775-020-01800-4)
6. "Radiolabeled Minigastrin Analogs with Multiple Amide-to-Triazole Substitutions for Enhanced Tumor Targeting" N. M. Grob, S. Schmid, R. Schibli, M. Béhé, T. L. Mindt *Journal of Medicinal Chemistry* **2020**, *on-line*. DOI:10.1021/acs.jmedchem.9b01937
7. "Triazolo-Peptidomimetics: Novel Radiolabeled Minigastrin Analogs for Improved Tumor Targeting" N. M. Grob, D. Häussinger, X. Deupi, R. Schibli, M. Béhé, T. L. Mindt *Journal of Medicinal Chemistry* **2020**, *on-line*. DOI:10.1021/acs.jmedchem.9b01936
8. "Quality Risk Management Guidelines Applied to Radiopharmaceuticals" N. Gillings, S. Todde, M. Behe, C. Decristoforo, P. Elsinga, V. Ferrari, O. Hjelstuen, P. Kolenc-Peitl, J. Kozirowski, P. Laverman, T. L. Mindt, E. Ocaik, M. Patt *European Journal of Nuclear Medicine and Molecular Imaging - Radiopharmacy and Chemistry* **2020**, *submitted*.
9. "Guideline on Current Good Radiopharmacy Practice (cGRPP) for the Small-Scale Preparation of Radiopharmaceuticals – Revision 2019" N. Gillings, S. Todde, M. Behe, C. Decristoforo, P.

- Elsinga, V. Ferrari, O. Hjelstuen, P. Kolenc-Peitl, J. Kozirowski, P. Laverman, T. L. Mindt, E. Ocak, M. Patt *European Journal of Nuclear Medicine and Molecular Imaging - Radiopharmacy and Chemistry* **2020**, submitted.
10. "EANM Guideline on the Validation of Analytical Methods for Radiopharmaceuticals" N. Gillings, S. Todde, M. Behe, C. Decristoforo, P. Elsinga, V. Ferrari, O. Hjelstuen, P. Kolenc-Peitl, J. Kozirowski, P. Laverman, T. L. Mindt, E. Ocak, M. Patt *European Journal of Nuclear Medicine and Molecular Imaging - Radiopharmacy and Chemistry* **2020**, 5 (1), 7. DOI: 10.1186/s41181-019-0086-z
 11. "Manganese in Medical Imaging – Opportunities and Challenges" M. Brandt, J. Cardinale, I. Rausch, T. L. Mindt *Journal of Labelled Compounds and Radiopharmaceuticals* **2019**, 62, 541-551 (*invited review; among the top 10% of most downloaded papers published between January 2018 and December 2019*). DOI: 10.1002/jlcr.3754
 12. "Mini Review: Targeted Radiopharmaceuticals Incorporating Reversible, Low Molecular Weight Albumin Binders" M. Brandt, J. Cardinale, C. Giammei, X. Guarrotxena, B. Happl, N. Jouini, T. L. Mindt *Nuclear Medicine and Biology* **2019**, 70, 46-52 (*invited review*). DOI: 10.1016/j.nucmedbio.2019.01.006
 13. "Status of the «Consensus Nomenclature Rules in Radiopharmaceutical Sciences» Initiative" H. H. Coenen, A. D. Geeb, M. Adam, G. Antoni, C. S. Cutler, Y. Fujibayashi, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A., D. Windhorst *Nuclear Medicine and Biology* **2019**, 71, 19-22. DOI: j.nucmedbio.2019.05.001
 14. "Comparison of Desferrioxamine and NODAGA for the Gallium-68 Labeling of Exendin-4" S. A. M. Kaeppli, R. Schibli, T. L. Mindt, M. Behe *European Journal of Nuclear Medicine and Molecular Imaging – Radiopharmacy and Chemistry* **2019**, 4, 9. DOI: 10.1186/s41181-019-0060-9
 15. "An Overview on PET-Radiochemistry: Part 2 - Radiometals" M. Brandt, J. Cardinale, M. Aulsebrook, G. Gasser, T. L. Mindt *Journal of Nuclear Medicine* **2018**, 59, 1500-1506 (*invited review*). DOI: 10.2967/jnumed.117.190801
 16. "A Solid Phase-Assisted Approach for the Facile Synthesis of a Highly Water Soluble Octadentate Zirconium-89 Chelator for Radiopharmaceutical Development" M. Briand, M. Aulsebrook, T. L. Mindt, G. Gasser, *Dalton Transactions* **2017**, 46, 6387-16389 (*shared corresponding authorship T. L. M. and G. G.*). DOI: 10.1039/C7DT03639F
 17. "Amide-to-Triazole Switch vs. In Vivo NEP-Inhibition Approaches to Promote Radiopeptide Targeting of GRPR-Positive Tumors" T. Maina, A. Kaloudi, I. E. Valverde, T. L. Mindt, B. A. Nock *Nuclear Medicine and Biology* **2017**, 52, 57-62 (*shared corresponding authorship B. A. N. and T. L. M.*). DOI: 10.1016/j.nucmedbio.2017.06.001
 18. "Consensus Nomenclature Rules for Radiopharmaceutical Chemistry - Setting the Record Straight" M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *Nuclear Medicine and Biology* **2017**, 55, v-xi. DOI: 10.1016/j.nucmedbio.2017.09.004
 19. "Guidance on Validation and Qualification of Processes and Operations Involving Radiopharmaceuticals" S. Todde, P. Kolenc Peitl, P. H. Elsinga, J. Kozirowski, V. Ferrari, M. Ocak, O. Hjelstuen, M. Patt, T. L. Mindt, M. Behe *European Journal of Nuclear Medicine and Molecular imaging - Radiopharmacy and Chemistry* **2017**, 2, 8. DOI: 10.1186/s41181-017-0025-9

20. "Methoxinine - An Alternative Stable Amino Acid Substitute for Oxidation-Sensitive Methionine in Radiolabeled Peptide Conjugates" N. M. Grob, M. Behe, E. von Guggenberg, R. Schibli, T. L. Mindt *Journal of Peptide Science* **2017**, *23*, 38-44. DOI: 10.1002/psc.2948
21. "Glycated ^{99m}Tc-Tricarbonyl Labelled Peptide Conjugates for Tumour Targeting by Click-to-Chelate" K. Römhild, C. A. Fischer, T. L. Mindt *ChemMedChem* **2017**, *12*, 66-74. DOI: 10.1002/cmdc.201600485
22. "Comparison of the Octadentate Bifunctional Chelator DFO*-pPhe-NCS and the Clinically Used Hexadentate Bifunctional Chelator DFO-pPhe-NCS for ⁸⁹Zr-Immuno-PET" D. J. Vugts, C. Klaver, C. Sewing, A. J. Poot, K. Adamzek, S. Huegli, C. Mari, I. E. Valverde, G. Gasser, T. L. Mindt, G.A.M.S. van Dongen *European Journal of Nuclear Medicine and Molecular Imaging* **2017**, *44*, 286-295 (*shared corresponding authorship D. J. V., G. G., and T. L. M.*). DOI: 10.1007/s00259-016-3499-x (*awarded with the Best Article Award of the Journal of Nuclear Medicine and Molecular Imaging in 2019 - Springer*)
23. "Radiolabeled Analogs of Neurotensin (8-13) Containing Multiple 1,2,3-Triazoles as Stable Amide Bond Mimics in the Backbone" A. Mascarin, I. E. Valverde, T. L. Mindt *Medicinal Chemical Communications* **2016**, *7*, 1640-1646. DOI: 10.1039/c6md00208k
24. "Novel Chemoselective ¹⁸F-Radiolabeling of Thiol-Containing Biomolecules Under Mild Aqueous Conditions" A. Chiotellis, F. Sladojevich, L. Mu, A. Müller Herde, I. E. Valverde, V. Tolmachev, R. Schibli, S. M. Ametamey, T. L. Mindt *Chemical Communications* **2016**, *52*, 6083-6086 (*highlighted in the section Swiss Science Concentrates of Chimia, the journal of the Swiss Chemical Society (Chimia 2016, 70, 455)*). DOI: 10.1039/c6cc01982j
25. "Towards the Optimization of Bombesin-Based Radiotracers for Tumor Targeting" I. E. Valverde, S. Vomstein, T. L. Mindt *Journal of Medicinal Chemistry* **2016**, *59*, 3867-3877. DOI: 10.1021/acs.jmedchem.6b00025
26. "Position Paper on Requirements for Toxicological Studies in the Specific Case of Radiopharmaceuticals" J. Kozirowski, M. Behe, C. Decristoforo, J. Ballinger, P. Elsinga, V. Ferrari, P. Kolenc Peitl, S. Todde, T. L. Mindt *European Journal of Nuclear Medicine and Molecular Imaging – Radiopharmacy and Chemistry* **2016**, *1*, 1-6. DOI: 10.1186/s41181-016-0004-6
27. "Structure-Activity Relationship Studies of Amino Acid Substitutions in Radiolabeled Neurotensin Conjugates" A. Mascarin, I. E. Valverde, T. L. Mindt *ChemMedChem* **2016**, *11*, 102–107 (*highlighted as cover page illustration*). DOI: 10.1002/cmdc.201500468
28. "1,2,3-Triazole Stabilized Neurotensin-Based Radiopeptidomimetics for Improved Tumor Targeting" A. Mascarin, I. E. Valverde, S. Vomstein, T. L. Mindt *Bioconjugate Chemistry* **2015**; *26*, 2143–2152. DOI: 10.1021/acs.bioconjchem.5b00444
29. "Probing the Backbone Function of a Bombesin-Based Radiotracer by an Amide-to-Triazole Substitution Strategy" I. E. Valverde, S. Vomstein, T. L. Mindt *Journal of Medicinal Chemistry* **2015**, *58*, 7475–7484. DOI: 10.1021/acs.jmedchem.5b00994
30. "Development of Gallium-68 and Zirconium-89 Labelled Exendin-4 for the Imaging of Insulinomas by PET" A. Bauman, I. E. Valverde, C. A. Fischer, S. Vomstein, T. L. Mindt *Journal of Nuclear Medicine and Molecular Imaging* **2015**, *56*, 1569-1574. DOI: 10.2967/jnumed.115.159186

31. "Regioselective 1,2-Addition of Organometallic Reagents to Unprotected Juglones" K. A. Parker, T. L. Mindt *Tetrahedron Letters* **2015**, *56*, 3500-3502. DOI: 10.1016/j.tetlet.2014.12.108
32. "An Octadentate Bifunctional Chelating Agent for the Development of Stable Zirconium-89 Based Molecular Imaging Probes" M. Patra, A. Bauman, C. Mari, C. A. Fischer, O. Blacque, D. Häussinger, G. Gasser, T. L. Mindt *Chemical Communications* **2014**, *50*, 11523-11525 (*highlighted in the section Swiss Science Concentrates of Chimia, the journal of the Swiss Chemical Society (Chimia 2014, 68, 820)*). DOI: 10.1039/c4cc05558f
33. "A Bombesin-Shepherdin Radioconjugate Designed for Combined Extra- and Intracellular Targeting" C. A. Fischer, S. Vomstein, T. L. Mindt *Pharmaceuticals* **2014**, *7*, 662-675. DOI: 10.3390/ph7060662
34. "Expression of Different Neurokinin Type 1-Receptor Isoforms in Glioblastoma Multiforme – Implications for Targeted Therapy" D. Cordier, A. Gerber, C. Kluba, A. Bauman, G. Hutter, T. L. Mindt, L. Mariani *Cancer Biotherapy & Radiopharmaceuticals* **2014**, *29*, 221-226 (*shared corresponding authorship T. L. M. and D. C.*). DOI: 10.1089/cbr.2013.1588
35. "Radiolabeled Antagonistic Bombesin Peptidomimetics for Tumor Targeting" I. E. Valverde, E. Huxol, T. L. Mindt *Journal of Labeled Compounds and Radiopharmaceuticals* **2014**, *57*, 275–278. DOI: doi.org/10.1002/jlcr.3162
36. "Guidance on Current Good Radiopharmacy Practice for the Small-Scale Preparation Radiopharmaceuticals Using Automated Modules: a European Perspective" J. Aerts, J. R. Ballinger, M. Behe, C. Decristoforo, P. H. Elsinga, A. Faivre-Chauvet, T. L. Mindt, P. Kolenc Peitl, S. C. Todde, J. Kozirowski. *Journal of Labeled Compounds and Radiopharmaceuticals* **2014**, *57*, 615-620. DOI: 10.1002/jlcr.3227
37. "EANM Guideline for the Preparation of an Investigational Medicinal Product Dossier (IMPD)" S. Todde, A. D. Windhorst, M. Behe, G. Bormans, C. Decristoforo, A. Faivre-Chauvet, V. Ferrari, A. D. Gee, B. Gulyas, C. Halldin, P. Kolenc-Peitl, J. Kozirowski, T. L. Mindt, M. Sollini, J. Vercouillie, J. R. Ballinger, P. H. Elsinga *European Journal of Nuclear Medicine and Molecular Imaging* **2014**, *41*, 2175-2185. DOI: 10.1007/s00259-014-2866-8
38. "1,2,3-Triazoles as Amide Bond Mimics: Triazole Scan Yields Protease-Resistant Peptidomimetics for Tumor Targeting" I. E. Valverde, A. Bauman, C. A. Kluba, S. Vomstein, M. Walter, T. L. Mindt *Angewandte Chemie International Edition*, **2013**, *52*, 8957-8960 (*highlighted in the section Swiss Science Concentrates of Chimia, the journal of the Swiss Chemical Society (Chimia 2013, 67(10), 738), and in q&more (2013, 2, 56); highlighted on-line at bionity.com, schattenblick.de, news.doccheck.com, and ingentaconnect.com*). DOI: 10.1002/anie.201303108
39. "1,2,3-Triazole als Mimetika der Amid-Bindung: Ein Triazol-Scan führt zu Protease-resistenten Peptidmimetika für das Tumor-Targeting" I. E. Valverde, A. Bauman, C. A. Kluba, S. Vomstein, M. Walter, T. L. Mindt *Angewandte Chemie* **2013**, *125*, 9126-9129 (in German). DOI: 10.1002/ange.201303108
40. "Effect of a Spacer Moiety on Radiometal Labelled Neurotensin Derivatives" A. Mascarin, I. E. Valverde, T. L. Mindt *Radiochimica Acta* **2013**, *11*, 733-738. DOI: 10.1524/ract.2013.2090
41. "1,2,3-Triazoles as Amide Bond Surrogates in Peptidomimetics" I. E. Valverde, T. L. Mindt *Chimia* **2013**, *4*, 262-266. DOI: 10.2533/chimia.2013.262

42. "Click-to-Chelate: Development of Technetium- and Rhenium-Tricarbonyl Labeled Radiopharmaceuticals" C. A. Kluba, T. L. Mindt *Molecules* **2013**, *18*, 3206-3226. DOI: 10.3390/molecules18033206
43. "Dual-Targeting Conjugates Designed to Improve the Efficacy of Radiolabeled Peptides" C. A. Kluba, A. Bauman, I. E. Valverde, S. Vomstein, T. L. Mindt *Organic & Biomolecular Chemistry* **2012**, *10*, 7594-7602. DOI: 10.1039/c2ob26127h
44. "Synthesis, Gallium-68 Labeling and Biological Evaluation of DOTA-, NODAGA- and Desferrioxamine-modified Nanoparticles" Q.K.T. Ng, T. Segura, A. Ben-Shlomo, T. Krause, T. L. Mindt, M. A. Walter *Journal of Nano Research* **2012**, *20*, 21-31. DOI: 10.4028/www.scientific.net/JNanoR.20.21
45. "Fluorescent Gallium and Indium Bis(thiosemicarbazones) and Their Radiolabelled Analogues: Design, Synthesis and Cellular Confocal Fluorescence Imaging Investigations" R. L. Arrowsmith, P. A. Waghorn, A. Bauman, S. K. Brayshaw, Z. Hu, M. W. Jones, G. Kociok-Kohn, T. L. Mindt, R. M. Tyrrell, S. W. Botchway, J. R. Dilworth, S. I. Pascu *Dalton Transactions* **2011**, *40*, 6238-6252. DOI: 10.1039/c1dt10126a
46. "Convergent Synthesis of 2H-Chromenes - a Formal [3+3] Cycloaddition by a One-pot, Three Step Cascade" K. A. Parker, T. L. Mindt *Tetrahedron* **2011**, *67*, 9779-9786. DOI: 10.1016/j.tet.2011.09.068
47. "Effect of Amino Acid Infusion on Potassium Serum Levels in Neuroendocrine Tumor Patients Treated with Peptide-Receptor Radionuclide Therapy" G. Giovacchini, G. Nicolas, T. L. Mindt, F. Forrer *European Journal of Nuclear Medicine and Molecular Imaging* **2011**, *38*, 1675-1682. DOI: 10.1007/s00259-011-1826-9
48. „Imaging of Activated Macrophages in Experimental Osteoarthritis Using Folate Targeted Animal SPECT/CT“ T. M. Piscaer, C. Müller, T. L. Mindt, E. Lubberts, J. A. N. Verhaar, E. P. Krenning, R. Schibli, M. De Jong, H. Weinans *Arthritis & Rheumatism* **2011**, *63*, 1898–1907. DOI: 10.1002/art.30363
49. "Molecular Assembly of Multifunctional Tc-99m Radiopharmaceuticals using "Clickable" Amino Acid Derivatives" T. L. Mindt, H. Struthers, B. Spingler, L. Brans, D. Tourwe, E. Garcia-Garayoa, R. Schibli *ChemMedChem* **2010**, *5*, 2026-2038. (*highlighted as cover page illustration; among the most accessed articles between 09/2010-08/2011*). DOI: 10.1002/cmdc.201000342
50. "Concepts for the design of metal chelating systems using the copper catalyzed azide-alkyne cycloaddition" H. Struthers, T. L. Mindt, R. Schibli *Dalton Transactions* **2010**, *39*, 675. (*highlighted as cover page illustration*). DOI: 10.1039/b912608b
51. "A Click Chemistry Approach to the Efficient Synthesis of Multiple Imaging Probes Derived from a Single Precursor" T. L. Mindt, C. Müller, F. Stuker, J.-F. Salazar, A. Hohn, T. Mueggler, M. Rudin, R. Schibli *Bioconjugate Chemistry* **2009**, *20*, 1940-1949. DOI: 10.1021/bc900276b
52. "A Click Approach to Structurally Diverse Conjugates Containing a Central Di-1,2,3-Triazole Metal Chelate" T. L. Mindt, C. Schweinsberg, L. Brans, A. Hagenbach, U. Abram, D. Tourwé, E. Garcia-Garayoa, R. Schibli *ChemMedChem* **2009**, *4*, 529. (*among the top 10 most frequently cited articles of ChemMedChem 2009*). DOI: 10.1002/cmdc.200800418
53. "Evaluation of a Novel Radiofolate in Tumor-Bearing Mice - Promising Prospects for Folate-Based Radionuclide Therapy" C. Müller, T. L. Mindt, M. de Jong, R. Schibli *European Journal of Nuclear Medicine and Molecular Imaging* **2009**, *36*, 938. DOI: 10.1007/s00259-008-1058-9

54. "Click Chemistry Radiosynthesis and Preclinical Evaluation of a New ^{18}F -Labelled Folic Acid Derivative" T. L. Ross, M. Honer, P. Y. H. Lam, T. L. Mindt, V. Groehn, R. Schibli, P. A. Schubiger, S. M. Ametamey *Bioconjugate Chemistry* **2008**, *19*, 2462. DOI: 10.1021/bc800356r
55. "Click-to-Chelate: In Vitro and In Vivo Comparison of a $^{99\text{m}}\text{Tc}(\text{CO})_3$ -Labeled N(τ)-Histidine Folate Derivative with Its Isostructural, Clicked 1,2,3-Triazole Analogue" T. L. Mindt, C. Müller, M. Melis, M. de Jong, R. Schibli *Bioconjugate Chemistry* **2008**, *19*, 1689. (*highlighted as cover page illustration; highlighted on-line in Vertical News Chemicals&Chemistry*). DOI: 10.1021/bc800183r
56. "Click-to-Chelate": Design and Incorporation of Triazole Containing Metal Chelating Systems into Biomolecules of Diagnostic and Therapeutic Interest"; H. Struthers, B. Spingler, T. L. Mindt, R. Schibli *Chemistry – A European Journal* **2008**, *14*, 6173. DOI: 10.1002/chem.200702024
57. "Modification of Different IgG1 Antibodies via Glutamine and Lysine using Bacterial and Human Tissue Transglutaminase" T. L. Mindt, V. Jungi, S. Wyss, A. Friedli, G. Pla, I. Novak-Hofer, J. Grünberg, R. Schibli *Bioconjugate Chemistry* **2008**, *19*, 271. DOI: 10.1021/bc700306n
58. "Strategies for the Development of Novel Tumor Targeting Technetium and Rhenium Radiopharmaceuticals" T. L. Mindt, H. Struthers, E. Garcia-Garayoa, D. Desbouis, R. Schibli *Chimia* **2007**, *61*, 725. DOI: 10.2533/chimia.2007.725
59. "Cu(I)-Catalyzed Intramolecular Cyclization of Alkynoic Acids in Aqueous Media - a Click Side Reaction"; T. L. Mindt, R. Schibli *The Journal of Organic Chemistry* **2007**, *72*, 10247. DOI: 10.1021/jo702030e
60. "Click to Chelate: Synthesis and Installation of Metal Chelates into Biomolecules in a Single Step" T. L. Mindt, H. Struthers, L. Brans, T. Anguelov, C. Schweinsberg, V. Maes, D. Tourwé, and R. Schibli *Journal of the American Chemical Society* **2006**, *128*, 15096. (*highlighted on-line in Noteworthy Chemistry of the American Chemical Society; highlighted on-line by the Faculty 1000 Biology Reports*). DOI: 10.1021/ja066779f
61. "TESOTf-Induced Rearrangement of Quinolins. Efficient Construction of the Fully functionalized Carbon Skeleton of the Griseusins by a Divergent-Reconvergent Approach"; K. A. Parker, T. L. Mindt, Y.-H. Koh *Organic Letters* **2006**, *8*, 1759. DOI: 10.1021/ol060206q
62. "Heterocycle Annulation of Enolizable Vinyl Quinone Imides. Dihydroquinolines and Quinolines from Thermal 6π -Electrocyclizations and Indoles from Photochemical Cyclizations"; K. A. Parker, T. L. Mindt *Organic Letters* **2002**, *4* (24), 4265. DOI: 10.1021/ol026849x
63. "Electrocyclic Ring Closure of the Enols of Vinyl Quinones. A 2H-Chromene Synthesis"; K. A. Parker, T. L. Mindt *Organic Letters* **2001**, *3* (24), 3875. DOI: 10.1021/ol0167199
64. "Synthesis and Evaluation of Enantiomeric Purity of Protected α -Amino and Peptide Aldehydes"; T. Mindt, U. Michel, F. Dick *Helvetica Chimica Acta* **1999**, *82*, 1960. DOI: 10.1002/(SICI)1522-2675(19991110)82:11<1960::AID-HLCA1960>3.0.CO;2-2
65. "Development of Novel Bioerodible Poly(hydroxyalkylene carbonates)s: A Versatile Class of Polymers for Medical and Pharmaceutical Applications"; M. Acemoglu, S. Bantle, T. Mindt *Macromolecules* **1995**, *28*, 3030. DOI: 10.1021/ma00113a003
66. " α -Sulfinyl Substituted Radicals; II. Stereoselective Inter- and Intramolecular Addition Reactions of Acyclic α -Sulfinyl Radicals"; A. De Mesmaeker, A. Waldner, P. Hoffmann, T. Mindt *Synlett* **1993**, *11*, 871. DOI: 10.1055/s-1993-22638

67. "α-Sulfinyl Substituted Radicals; I. Stereoselective Radical Addition Reactions of Cyclic α-Sulfinyl Radicals"; A. Waldner, A. De Mesmaeker, P. Hoffmann, T. Mindt, T. Winkler *Synlett* **1991**, 2, 101. DOI: 10.1055/s-1991-20642
68. "Stereoselective Carbon-Carbon Bond Formation in Carbohydrates by Radical Cyclization Reactions"; A. De Mesmaeker, A. Waldner, P. Hoffmann, T. Mindt, P. Hug, T. Winkler *Synlett* **1990**, 11, 687. DOI: 10.1055/s-1990-21212

B) Patents

69. "Diaza-18-Crown-6 Derivatives Useful for Chelation of Radium, Conjugates and Radium Chelates Compromising the Same, and Uses Thereof" T. L. Mindt, G. Gasser, M. Brandt, J. Cowell *submitted*
70. "Calixarene Derivatives Useful for Chelation of Radium, Conjugates and Radium Chelates Compromising the Same, and Uses Thereof" T. L. Mindt, G. Gasser, M. Brandt, J. Cowell **2020EP20305646.0**
71. "Minigastrin Derivatives, in Particular for Use in CCK2 Receptor Positive Tumour Diagnosis and/or Treatment" T. L. Mindt, N. M. Grob, M. Behe, R. Schibli **2017EP17192428**
72. "Multidentate Chelating Agents for Radionuclide Complexation in Diagnostics and Therapy" T. L. Mindt, G. Gasser, A. Bauman, M. Patras **WO2015140212A1**
73. "Bombesin Receptor Targeting Peptide Incorporating a 1,2,3-Triazole Group in the Backbone for Preparing In Vivo Diagnostic and Therapeutic Agents" T. L. Mindt, I. Valverde **WO2012/156511**
74. "Novel ¹⁸F-labelled Folates as PET Tracers" T. Ross; T. L. Mindt; V. Groehn; R. Moser; S. Ametamey; A. P. Schubiger **WO2008125615**.
75. "Folic Acid Functionalized with Histidine- or Histidine-like Metal Chelators for SPECT Applications" T. L. Mindt, C. Müller, R. Schibli, V. Groehn **WO2008125618**.
76. "Preparation of Triazole Containing Metal Chelating Agents as well as Their Incorporation into Biomolecules and Their Tricarbonyl Complexes with Technetium and Rhenium" T. L. Mindt, R. Schibli **2006P12660EP**.

C) Book Chapters

77. "Bioconjugation Techniques in Radiopharmaceutical Sciences" J. Cardinale, C. Giammei, N. Jouini, T. L. Mindt in *Radiopharmaceutical Chemistry*, Editors: J. Lewis, B. Zeglis, A. Windhorst, Springer **2019**, 449-466.
78. "Application of Click Chemistry for the Design of Ligand Systems and Functionalization of Biomolecules Suitable for Radiolabelling with the Technetium and Rhenium Tricarbonyl Core" T. Mindt, H. Struthers, R. Schibli in *Technetium-99m Radiopharmaceuticals: Status and Trends*, **2010**, International Atomic Energy Agency, 41-55.

D) Non-Peer-Reviewed Publications

72. "Development of Novel Ruthenium-Based Radiopharmaceuticals" B. Happl, M. Brandt, T. Balber, P. Heffeter, Z. Talip, A. Vögele, R. Hasler, M. Jakupcek, R. Schibli, M. Mitterhauser, B. Keppler, W. Kandjoller, N. P. van der Meulen, T. L. Mindt *Annual Research Report of the Paul Scherrer Institute* **2019**, Villigen, Switzerland
73. "Letter to the Editor: International Consensus Radiochemistry Nomenclature Guidelines " M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *Current Radiopharmaceuticals* **2018**, 11, 73-75. DOI: 10.2174/187447101101180404111248

74. "Letter to the Editor: International Consensus Radiochemistry Nomenclature Guidelines " M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *American Journal of Nuclear Medicine and Molecular Imaging* **2018**, 8, 70-72.
75. "Letter to the Editor: International Consensus Radiochemistry Nomenclature Guidelines " M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *Nuclear Medicine Communications* **2018**, 39, 193-195. DOI: 10.1097/MNM.0000000000000799
76. "Letter to the Editor: International Consensus Radiochemistry Nomenclature Guidelines " M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *Annales of Nuclear Medicine* **2018**, 32, 236-238. DOI: 10.1007/s12149-018-1238-z
77. "Letter to the Editor: International Consensus Radiochemistry Nomenclature Guidelines " M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *Journal of Labelled Compounds and Radiopharmaceuticals* **2018**, 61, 402-404. DOI: 10.1002/jlcr.3604
78. "Letter to the Editor: International Consensus Radiochemistry Nomenclature Guidelines " M. Adam, G. Antoni, H. H. Coenen, C. S. Cutler, Y. Fujibayashi, A. D. Gee, J. M. Jeong, R. H. Mach, T. L. Mindt, V. W. Pike, A. Windhorst *Radiochimica Acta* **2018**, 106, 623-625.
79. "Novel Chemoselective ¹⁸F-Radiolabeling of Thiol-Containing Biomolecules Under Mild Aqueous Conditions" A. Chiotellis, F. Sladojevich, L. Mu, A. Müller Herde, I. E. Valverde, V. Tolmachev, R. Schibli, S. M. Ametamey, T. L. Mindt *Chimia* **2016**, 70, 455 (*Swiss Science Highlight*).
80. "Diagnostik und Behandlung von Erkrankungen mit Röntgenstrahlen und radioaktiven Substanzen" F. Zimmermann, D. Wild, T. L. Mindt *Brochure for the Special Exhibition of the Pharmacy-Historical Museum Basel on Radioactivity in Medicine*, **2014** (in German).
81. „Nuklearmedizin - Radioaktive Strahlen können bei Krebspatienten Gutes bewirken“ P. Hofmeier *Basellandschaftliche Zeitung* (in German), October **2014** (newspaper article; editors T. L. Mindt, D. Wild).
82. "An Octadentate Bifunctional Chelating Agent for the Development of Stable Zirconium-89 Based Molecular Imaging Probes" M. Patra, A. Bauman, C. Mari, C. A. Fischer, O. Blacque, D. Häussinger, G. Gasser, T. L. Mindt *Chimia* **2014**, 68, 820 (*Swiss Science Highlight*).
83. „Heilende Radioaktivität - Das Unispital Basel behandelt Krebspatienten aus der ganzen Welt mit radioaktiven Medikamenten“ P. Hofmeier *Solothurner Zeitung* (in German), October **2014** (newspaper article; editors T. L. Mindt, D. Wild).
84. "1,2,3-Triazoles as Amide Bond Mimics: Triazole Scan Yields Protease-Resistant Peptidomimetics for Tumor Targeting" I. E. Valverde, A. Bauman, C. A. Kluba, S. Vomstein, M. Walter, T. L. Mindt *Chimia* **2013**, 67(10), 738 (*Swiss Science Highlight*).
85. "Monoclonal Antibody and Peptide-Targeted Radiotherapy of Cancer" (Edited by Raymond M. Reilly), T. L. Mindt, F. Forrer, *ChemMedChem* **2011**, 7, 202 (book review).
86. "Nanoprobes - Size does matter!" T. L. Mindt, M. Walter *Schweizerisches Medizin-Forum* **2009**, 9, 51 (*Schlaglichter*).
87. "Click-to-Image: Development of Multiple Probes for Different Imaging Modalities from a Single Precursor" T. Mindt, T. Ross, T. Mügglger, C. Müller, M. Honer, P. Lam, F. Stuker, S. Ametamey, M. Rudin, P. A. Schubiger, R. Schibli, *CIMST report* **2008**
88. „An Invention for New Tumour Diagnostics“; T. L. Mindt, H. Struthers, R. Schibli *Paul Scherrer Institute Scientific Report, Highlights Radiopharmacy* **2007**, 48.
89. "Radiopharmazie und Krebsforschung"; T. L. Mindt *À JOUR* **2007**, 5. (in German)

90. „An Invention for New Tumour Diagnostics“; T. L. Mindt, H. Struthers, R. Schibli *Paul Scherrer Institute Scientific Report, Highlights Radiopharmacy* **2006**, 118.
91. “Click to Chelate”: Simultaneous Synthesis and Introduction of Polydentate Metal Chelators into Biomolecules for Radiopharmaceutical Applications” T. L. Mindt, H. Struthers, L. Brans, D. Tourwe, R. Schibli In *Technetium, Rhenium and other metals in chemistry and nuclear medicine*, U. Mazzi (Ed.), S.G.E. Padova (Italy) **2006**, 77-80.
92. “Development of Novel Enzymatic Methods for Amino Acid Specific Modification of Diagnostic and Therapeutic Proteins” S. Jeger, T. L. Mindt, A. Blanc, E. Garcia-Garayoa, R. Schibli In *Technetium, Rhenium and other metals in chemistry and nuclear medicine*, U. Mazzi (Ed.), S.G.E. Padova (Italy) **2006**, 647-648.
93. “Graduate Studies Abroad: “Ein Ph.D. Studium in Chemie an der Brown University in den USA“; T. L. Mindt À *JOUR* **2002**, 1 (6), 15.

E) Published Abstracts

>100 published abstracts from presentations or invited lectures at national and international meetings and congresses (see “Appendix II”).

Appendix II: Lectures and Presentations

A) Invited Lectures by T. L. Mindt

1. "Radiometal-Based Radiopharmaceuticals for Theranostic Approaches in Nuclear Medicine" T. L. Mindt *8th International Conference on Radiation in Various Fields of Research (RAD) 2021*, Herceg Novi, Montenegro ([keynote lecture](#)).
2. "Radiometal-Labelled Peptides and Proteins for Theranostic Approaches" T. L. Mindt *Symposium at the University of Essen 2019*, Essen, Germany.
3. "Fluoro-Bernd versus Metal-Tom. Eine Unterhaltung" B. Neumaier, T. L. Mindt *27. Jahrestagung der Arbeitsgruppe Radiochemie / Radiopharmazie (AGRR) 2019*, Pamhagen, Austria ([plenary lecture](#)).
4. "Theranostic Approaches in Radiopharmaceutical Sciences" T. L. Mindt *GE Headquarter Medicinal Imaging 2019*, Haifa, Israel.
5. "Matching a Radiometal with a Suitable Chelator - A Case Study for ⁸⁹Zr-ImmunoPET" T. L. Mindt *International Symposium on Radiopharmaceutical Sciences 2019*, Beijing, China.
6. "Potential Applications of Ruthenium Radioisotopes in Nuclear Medicine" T. L. Mindt *Symposium at Orano 2019*, Paris, France.
7. "Zirkonium-89 für ImmunoPET in der Nuklearmedizin" T. L. Mindt *Annual Congress of the Austrian Society of Nuclear Medicine and Molecular Imaging (ÖGNMB) 2019*, Zell am See, Austria ([keynote lecture](#)).
8. "Development of Radiolabelled Peptides and Proteins for Cancer Diagnosis and Therapy" T. L. Mindt *Seminar at the University of Mainz 2018*, Mainz, Germany.
9. "Radioactive Labelled Peptides and Proteins in Nuclear Oncology" T. L. Mindt *Chemistry Faculty Colloquium at the University of Vienna, Vienna 2018*, Vienna, Austria.
10. "Of Established and Emerging Radiometals" T. L. Mindt *4th Annual Congress of the Korean Society of Radiopharmaceuticals and Molecular Probes 2017*, Daejeon, Korea ([plenary lecture](#)).
11. "Development of Radiometal-Based Peptides and Proteins for Tumour Targeting" T. L. Mindt *Seminar at the Seoul National University Hospital 2017*, Bundang Seongnam, Korea ([keynote lecture](#)).
12. "Radiopharmaceutical Sciences in Austria" T. L. Mindt *Seminar at the Korean Atomic Energy Research Institute 2017*, Jeongeup, Korea ([keynote lecture](#)).
13. "Development of Radiolabelled Peptides and Proteins for Tumour Targeting" T. L. Mindt *Workshop on the Commissioning of the New "Center of Radiopharmaceutical Cancer Research" 2017*, Helmholtz Zentrum Dresden-Rossendorf, Rossendorf, Germany.
14. "Development of Radiolabelled Peptides and Proteins for Tumour Targeting" T. L. Mindt *Colloquium on Radiopharmaceutical Cancer Research 2018*, Helmholtz Centre Dresden-Rossendorf, Rossendorf, Germany.
15. "Development of Radiometal-Based Peptides and Proteins for Tumour Targeting" T. L. Mindt *Molecular Imaging Cluster Symposium 2017*, Medical University Vienna, Vienna, Austria.
16. „Radiometallated Biomolecules for Diagnostic (Imaging) and Therapeutic Applications in Nuclear Medicine“ T. L. Mindt, *Seminar in Radiopharmacy of the Cancer Research Centre (DKFZ), Universitätsklinikum Heidelberg 2016*, Heidelberg, Germany.
17. "Radiopharmaceutical Sciences: The Development of Radiolabelled Diagnostic Probes and Therapeutic Agents for Applications in Nuclear Oncology" T. L. Mindt, *Brown University 2015*, Providence, RI, USA.

18. "Peptide-Based Theranostic Radiotracers in Nuclear Oncology" T. L. Mindt, *Erasmus University Medical Centre* **2015**, Rotterdam, The Netherlands.
19. "Radiometallated Peptides for Theranostic Applications" T. L. Mindt *Symposium at the Massachusetts General Hospital, Harvard Medical School* **2015**, Boston, USA.
20. "Radiometallated Peptides for Diagnostic and Therapeutic Applications in Nuclear Oncology" T. L. Mindt, *Paul Scherrer Institute* **2015**, Villigen, Switzerland ([keynote lecture](#)).
21. "Radiometal-Labelled Peptides as Diagnostic Probes and Radioendotherapeutics in Nuclear Oncology" T. L. Mindt, *Colloquium at the University Hospital Bern* **2015**, Bern, Switzerland.
22. "Development of Radiometal-Labelled Peptides for Tumour Targeting" T. L. Mindt *Colloquium at the Centre Hospitalier Universitaire Vaudois* **2015**, Lausanne, Switzerland.
23. "Development of Radiometal-Labelled Peptides for Theranostic Applications" T. L. Mindt *Symposium at the Helmholtz Research Centre Dresden-Rossendorf* **2014**, Dresden, Germany.
24. „Klick Chemie in der Radiopharmazie“ T. L. Mindt, *Nuklearchemisches Kolloquium* **2013**, *Forschungszentrum Jülich, Institut für Neurowissenschaften und Medizin – Nuklearchemie*, Jülich, Germany.
25. "Application of Click Chemistry to the Development of Radiopharmaceuticals" T. L. Mindt, *Seminar: Preclinical Imaging&Radiopharmacy* **2012**, Universität Tübingen, Germany ([plenary lecture](#)).
26. „Klick Chemie in der Radiopharmazie“ T. L. Mindt, *Symposium Radiopharmazie/Radiochemie*, *Medizinische Hochschule Hannover*, Germany **2012**.
27. "Application of Click Chemistry to the Development of Imaging Probes" T. L. Mindt, *Dutch Society of Clinical Radiochemistry* **2011**, Groningen, The Netherlands ([keynote lecture](#)).
28. „Development of Radiopharmaceuticals by Click Chemistry“, T. L. Mindt, *Seminar on Drug Discovery and Development (SDDD)* **2011**, Pharmazentrum Basel, Universität Basel, Switzerland.
29. „Bewährtes und Neues aus der Radiopharmazie“, T. L. Mindt, K. Kopka, *3-Ländertreffen Nuklearmedizin* **2011**, Bregenz, Austria ([Continous Medical Education Double lecture](#)).
30. "Click Chemistry Approaches for the Development of Radiopharmaceuticals" T. L. Mindt, *Institut de Chimie Moléculaire de l'Univeristé de Bourgogne* **2010**, France.
31. "Application of Click Chemistry to the Development of Chelators Containing 1,4-Disubstituted 1,2,3-Triazoles" T. L. Mindt, *1st International Conference on Metal Chelation in Biology&Medicine* **2009**, University of Bath, UK.
32. "A 'Click Chemistry' Approach to the Development of Radiopharmaceuticals" T. L. Mindt, *Department of Chemistry* **2009**, *University of Basel*, Switzerland.
33. "Radiological Chemistry, Radiopharmacy and Nuclear Medicine in Basel" T. L. Mindt, *Perkin Elmer* **2009**, Waltham (MA), USA.
34. "Click-to-Chelate: Expedited Development of Metal-Based Imaging Probes and Therapeutic Agents by Click Chemistry" T. L. Mindt, *Symposium on Medicinal Organometallic Chemistry (Deutsche Forschungsgesellschaft)* **2008**, St. Martin, Germany.

B) Accepted Abstracts for Presentations at Conferences by T. L. Mindt

35. "Metabolically Stable Triazolo Peptidomimetics for Improved Tumour Targeting" T. L. Mindt *8th Austrian Peptide Symposium* **2018**, Salzburg, Austria.
36. "DFO* - An Improved Chelating System for Zirkonium-89 ImmunoPET Applications" M. Briand, K. Zarschler, T. Joshi, D. Vugts, H. Stephan, J. Steinbach, G. Gasser, T. L. Mindt, *22nd International Symposium on Radiopharmaceutical Sciences* **2017**, Dresden, Germany.

37. "Development of Radiolabelled Diagnostic Probes and Therapeutic Agents for Applications in Nuclear Medicine" T. L. Mindt, Seminar at the Department of Inorganic Chemistry **2016**, University of Vienna, Vienna, Austria.
38. "1,2,3-Triazole Stabilized "Click" Radiopeptidomimetics for Improved Tumor Targeting" T. L. Mindt, I. E. Valverde, C. A. Fischer, S. Vomstein, A. Bauman *250th National Meeting of the American Chemical Society* **2015**, Boston, USA.
39. "DFO* - An Octadentate Bifunctional Chelating Agent for the Development of Stable Zirconium-89 Based Molecular Imaging Probes" T. L. Mindt, M. Patra, G. Gasser, A. Bauman, S. Hügli, D. Vugts, G. A. van Dongen *21st International Symposium on Radiopharmaceutical Sciences* **2015**, Columbia, USA.
40. "1,2,3-Triazole Stabilized "Click" Radiopeptidomimetics for Improved Tumor Targeting" I. Valverde, A. Bauman, C. Fischer, S. Vomstein, T. L. Mindt *21st International Symposium on Radiopharmaceutical Sciences* **2015**, Columbia, USA.
41. "Novel Radiopeptidomimetics for Improved Tumor Targeting" A. Mascarin, I. E. Valverde, T. L. Mindt *Annual Meeting of the Swiss Association of Radiopharmacy and Radiopharmaceutical Chemistry* **2015**, Basel, Switzerland.
42. "Radiopeptidomimetics for Improved Tumor Targeting" T. L. Mindt *Tetrahedron Symposium* **2015**, Berlin, Germany.
43. "DFO* - A Novel Octadentate BFCA for Zirconium-89" M. Patra, A. Bauman, C. Mari, C. Fischer, O. Blacque, D. Häussinger, G. Gasser, T. L. Mindt *TeraChem* **2014**, Bressanone, Italy.
44. "Diagnostik und Behandlung von Erkrankungen mit Röntgenstrahlen und radioaktiven Substanzen" F. Zimmermann, D. Wild, T. L. Mindt *Public Lecture Series for the Special Exhibition of the Pharmacy-Historical Museum Basel on Radioactivity in Medicine*, **2014**, Basel, Switzerland.
45. "Radiopeptidomimetika for Tumor-Targeting" T. L. Mindt *Annual Research Meeting of the Department of Pharmaceutical Sciences* **2014**, University of Basel, Basel, Switzerland.
46. „Generator-basierende Radionuklide für die Herstellung von Radiopharmazeutika“ T. L. Mindt *Fortbildung in Medizinischer Radiologie/Nuklearmedizin USB* **2013**, Basel, Switzerland.
47. "New Ligands for New/Old Metals" T. L. Mindt, *20th International Symposium on Radiopharmaceutical Sciences* **2013**, Jeju, Korea.
48. "1,2,3-Triazole Backbone-Modified Peptides for Tumor Targeting" I. E. Valverde, T. L. Mindt *20th International Symposium on Radiopharmaceutical Sciences* **2013**, Jeju, Korea.
49. „Dialyse bei Patienten der Nuklearmedizinischen Bettenstation“, T. L. Mindt, L. McDougall *Fortbildung in Nephrologie und Dialyse USB* **2013**, Basel, Switzerland.
50. "Die Radiopharmazeutische Chemie stellt sich vor" T. Mindt, D. Biondo, A. Bauman, *Fortbildung in Medizinischer Radiologie* **2013**, Basel, Switzerland.
51. "Click-Stabilized Peptidomimetics for Tumour Targeting" I. E. Valverde, A. Bauman, C. Kluba, A. Mascarin, S. Vomstein, M. Walter, T. L. Mindt *World Molecular Imaging Congress* **2012**, Dublin, Ireland.
52. "Neues aus der Küche der Radiopharmazie und medizinische Aspekte", T. Mindt, F. Forrer, *Fortbildung in Medizinischer Radiologie* **2010**, Universitätsspital Basel, Basel, Switzerland.
53. "One-Pot Synthesis of Trifunctional Tc-99m Radioconjugates by Click Chemistry", T. L. Mindt, H. Struthers, B. Spingler, E. Garcia-Garayoa, D. Tourwe, R. Schibli, *240th American Chemical Society National Meeting* **2010**, Boston, USA.
54. "Click-to-Image: Development of Multiple Probes for Different Imaging Modalities and Therapeutic Agents from a Single Precursor" T. L. Mindt, C. Müller, F. Stuker, T. Mügglér, A. Hohn, J.-F. Salazar, M. Hohner, T. Ross, P. Lam, S. Ametamey, M. Rudin, P. Schubiger, R. Schibli

- Annual Congress of the European Association of Nuclear Medicine 2009*, Barcelona, Spain (*included in the highlights lecture*).
55. "A Click Chemistry Approach for the Development of Metallic Radiotracers and Therapeutic Agents" T. L. Mindt, H. Struthers, E- Garcia, B. Spingler, L. Brans, D. Tourwe, R. Schibli *18th International Symposium on Radiopharmaceutical Sciences 2009*, Edmonton, Canada.
 56. "Past, Present and Future Research Activities and Prospective" T. L. Mindt, Department of Medical Radiology, *2009 University Hospital Basel*, Basel, Switzerland.
 57. "New Strategies for the Development of Molecular Imaging Probes" T. L. Mindt, R. Schibli *236th National Meeting of the American Chemical Society 2008*, Philadelphia, USA.
 58. „Click-to-Image: Application of Click Chemistry to the Design of Novel Imaging Probes and Therapeutic Agents" T. L. Mindt, H. Struthers, C. Müller, C. Schweinsberg, R. Schibli *236th National Meeting of the American Chemical Society 2008*, Philadelphia, USA.
 59. "Application of Click Chemistry to the Design of Novel Imaging Probes and Therapeutic Agents" T. L. Mindt, H. Struthers, C. Mueller, C. Schweinsberg, T. Ross, M. Honer, J.-F. Salazar, T. Mueggler, F. Stucker, L. Brans, D. Tourwe, S. Ametamey, R. Markus, A. Schubiger, R. Schibli *World Molecular Imaging Congress 2008*, Nice, France.
 60. "Novel Strategies for the Synthesis of Molecular Imaging Probes" T. L. Mindt, *Symposium Radiological Chemistry 2008*, University of Basel, Switzerland.
 61. "Development of Imaging Probes by Click Chemistry" T. L. Mindt, J.-F. Salazar, T. Ross, C. Müller, T. Muggler, F. Stucker, M. Rudin, P. A. Schubiger, R. Schibli *Center for Imaging Science and Technology Symposium 2008*, ETH Zurich, Switzerland.
 62. "Efficient Parallel Development of Diverse Imaging Probes from a Common Precursor Using Click Chemistry" T. L. Mindt, T. Ross, T. Muggler, R. Schibli, *234th National Meeting of the American Chemical Society 2007*, Boston, USA.
 63. "Cu(I)-Catalyzed Synthesis of Enol Lactones from Alkynoic Acids in Water" T. L. Mindt, R. Schibli, *234th National Meeting of the American Chemical Society 2007*, Boston, USA.
 64. "Expedited Tracer Development for Molecular Imaging by Click Chemistry" T. L. Mindt, J.-F. Salazar, T. Ross, R. Schibli, *50th Tetrahedron Symposium 2007*, Berlin, Germany.
 65. „Convenient Access to Molecular Imaging Probes by Click Chemistry" T. L. Mindt, J.-F. Salazar, T. Muggler, F. Stucker, T. Ross, M. Rudin and R. Schibli, *Fall Meeting of the Swiss Chemical Society 2007*, EPF Lausanne, Switzerland.
 66. "Efficient Strategy for the Parallel Development of Multi-Modality Imaging Probes Using Click Chemistry" T. L. Mindt, T. Ross and R. Schibli, *17th International Symposium on Radiopharmaceutical Sciences 2007*, Aachen, Germany (*awarded with the young investigator award of the society of radiopharmaceutical sciences*)
 67. "Click to Chelate: Simultaneous Synthesis and Introduction of Polydentate Metal Chelators into Biomolecules for Radiopharmaceutical Applications" T. L. Mindt, H. Struthers, L. Brans, T. Anguelov, U. Abram, D. Tourwe, R. Schibli, *232nd National Meeting of the American Chemical Society 2006*, San Francisco, USA.
 68. "Amino Acid-Specific Modification of Proteins for Diagnostic and Therapeutic Purposes Using Transglutaminases" T. L. Mindt, V. Jungi, S. Jeger, I. Novak-Hofer, R. Schibli, *232nd National Meeting of the American Chemical Society 2006*, San Francisco, USA.
 69. "Click to Chelate: Simultaneous Synthesis and Introduction of Polydentate Metal Chelators into Biomolecules for Radiopharmaceutical Applications" T. L. Mindt, H. Struthers, L. Brans, D. Tourwe, R. Schibli *Seventh International Symposium on Technetium in Chemistry and Nuclear Medicine 2006*, Bressanone, Italy.
 70. "Novel Annulation Reactions of Vinyl Quinones and Vinyl Quinone Imides"; K. A. Parker, T. L. Mindt, *230th National Meeting of the American Chemical Society 2005*, Washington, USA.

71. "Regioselective Alkylation of Juglones"; K. A. Parker, T. L. Mindt, *230th National Meeting of the American Chemical Society* **2005**, Washington, USA.
72. "Toward the total synthesis of Griseusin antibiotics"; K. A. Parker, T. L. Mindt, *230th National Meeting of the American Chemical Society* **2005**, Washington, USA.
73. "Annulation Reactions of Vinyl Quinones and Vinyl Quinone Imides"; K. A. Parker, T. L. Mindt, *Chemistry Research Day at the State University of New York Stony Brook* **2002**, Stony Brook, USA.
74. "Towards the Total Synthesis of (-)-Griseusin B – Studies of Novel Annulation Reactions"; T. L. Mindt, *Research Seminar Brown University* **2002**, Providence, USA.
75. "A Novel 2H-Chromene Synthesis"; K. A. Parker, T. L. Mindt, *Chemistry Research Day at the State University of New York Stony Brook* **2001**, Stony Brook, USA.
76. "Synthetic Approaches for the Preparation of Pyranonaphthoquinones"; T. L. Mindt, *Research Seminar Brown University* **1999**, Providence, USA.
77. "Peptidaldehyde als Pharmakologisch Interessante Wirkstoffe", T. L. Mindt, *Ausstellung der Diplomarbeiten der Abteilung Chemie*, **1996**, Zürcher Hochschule Winterthur, Switzerland (*awarded with the Dr. Max Lüthi Honor of the Swiss Chemical society*).

B) Lectures and Presentations by Group Members and Collaborators with T. Mindt as Co-Author

78. "DFO* and oxoDFO*: Optimized Chelators for ⁸⁹Zr-ImmunoPET Applications" M. Brandt, J. Cowell, G. Gasser, T. L. Mindt *4th Nuclear Technologies for Health Symposium* **2020**, Nantes, France.
79. "Towards 1,5-Disubstituted 1,2,3-Triazole-Based Peptidomimetics: Synthesis and Application to Minigastrins" I. E. Valverde, N. Grob, M. Behe, T. L. Mindt, *32th Congress of the European Association of Nuclear Medicine* **2019**, Barcelona, Spain.
80. "Glycosylated ^{99m}Tc-Tricarbonyl Radiopeptides for Improving the Pharmacokinetics" C. Giammei, T. Balber, K. Bencurova, N. Berroterán-Infante N. Jouini, J. Cardinale, M. Brandt, C. Vranka, B. Keppler, M. Mitterhauser, T. L. Mindt *Metals in Medicine* **2019**, Paris, France.
81. "Fragmentation of an Oligopeptide Containing Multiple N-Methylated Amino Acids" N. Jouini, J. Cardinale, B. Keppler, T. L. Mindt *9th Austrian Peptide Symposium* **2019**, Vienna, Austria.
82. "Metabolically Stabilized Triazolo-Peptidomimetics for Radiopharmacy" L. Recnik, X. Guarrochena, W. Kandioller, T. L. Mindt *9th Austrian Peptide Symposium* **2019**, Vienna, Austria.
83. "Enhancing the Metabolic Stability of Peptide-Based Radiotracers by Amide-to-Triazole Substitutions" X. Guarrochena, L. Recnik, J. Cardinale, K. Bencurova, W. Kandioller, T. L. Mindt *9th Austrian Peptide Symposium* **2019**, Vienna, Austria.
84. „Glycosylated ^{99m}Tc-Labelled Radiopeptides for Improved Pharmacokinetics in Tumor Diagnosis“ C. Giammei, T. Balber, K. Bencurova, N. Berroterán-Infante N. Jouini, J. Cardinale, M. Brandt, C. Vranka, B. Keppler, M. Mitterhauser, T. L. Mindt *9th Austrian Peptide Symposium* **2019**, Vienna, Austria.
85. "Towards the Development of Novel ⁸⁹Zr-Chelators for Use in PET Imaging" J. Cowell, M. Brandt, T. L. Mindt, G. Gasser *Imaging of Diagnostic and Therapeutic Biomarkers in Oncology* **2019**, Le Bono, France.
86. "DFO*: A Novel Chelator for Zirconium-89" G. Gasser, T. L. Mindt *Metals in Medicine* **2019**, Paris, France.
87. "Enhancing the Metabolic Stability of Peptide-Based Radiotracers by Amide-to-Triazole Substitutions" X. Guarrochena, L. M. Recnik, J. Cardinale, K. Benčurová, W. Kandioller, T. L. Mindt *27. Jahrestagung der Arbeitsgruppe Radiochemie / Radiopharmazie (AGRR)* **2019**, Pamhagen, Austria.

88. "Second Generation of Triazolo-Minigastrins: Towards Further Improvement of Tumour-Targeting Characteristics of Radiopeptidomimetics" N. M. Grob, S. Schmid, M. Béhé, R. Schibli, T. L. Mindt *International Symposium on Radiopharmaceutical Sciences* **2019**, Beijing, China.
89. "Towards 1,5-Disubstituted 1,2,3-Triazole-Based Peptidomimetics: Synthesis and Application to Minigastrins" I. E. Valverde, N. Grob, M. Behe, T. L. Mindt *Le Groupe français des peptides et des protéines (GFPP)* **2019**, Amboise, France
90. "DFO* and oxoDFO*: Optimized new Chelators for Zirconium-89 ImmunoPET" M. Brandt, J. Cowell, M. L. Aulsebrook, M. Briand, G. Gasser, T. L. Mindt *Molecular Imaging Cluster (MIC) Festival* **2019**, Vienna, Austria (*awarded with the Medical Imaging Cluster poster award*)
91. "Glycosylated ^{99m}Tc-Labeled Bombesin Conjugate for Improved Pharmacokinetics in Tumor Diagnosis" C. Giammei, N. Jouini, T. Balber, N. Berroterán-Infante, M. Brandt, J. Cardinale, N. Hallay, S. Pfaff, C. Vranka, B. Keppler, W. Wadsak, M. Mitterhauser, T. L. Mindt *Molecular Imaging Cluster Festival* **2019**, Vienna, Austria
92. "Glycosylated ^{99m}Tc-Labeled Bombesin Conjugate for Improved Biodistribution" C. Giammei, N. Jouini, T. Balber, N. Berroterán-Infante, M. Brandt, J. Cardinale, N. Hallay, S. Pfaff, C. Vranka, B. Keppler, W. Wadsak, M. Mitterhauser, T. L. Mindt *8th Austrian Peptide Symposium* **2018**, Salzburg, Austria
93. "DFO* and oxoDFO*: Optimized New Chelators for Zirconium-89 ImmunoPET" M. Brandt, M. L. Aulsebrook, M. Briand, G. Gasser, T. L. Mindt" *Ludwig Boltzmann Society Meeting for Health Sciences* **2018**, Vienna, Austria.
94. "Glycosylated ^{99m}Tc(CO)₃-Labeled Peptides for Improved Tumor Targeting" C. Giammei, N. Jouini, T. Balber, N. Berroterán-Infante, M. Brandt, J. Cardinale, N. Hallay, S. Pfaff, C. Vranka, B. Keppler, W. Wadsak, M. Mitterhauser, T. L. Mindt *Ludwig Boltzmann Society Meeting for Health Sciences* **2018**, Vienna, Austria.
95. "Triazole-Based Radiopeptidomimetics: Novel Minigastrin Analogues for Improved Tumour Targeting" N. M. Grob, M. Béhé, R. Schibli, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine* **2018**, Düsseldorf, Germany.
96. "Glycosylated ^{99m}Tc-Labeled Bombesin Conjugates for Improved Tumor Targeting" C. Giammei, N. Jouini, T. Balber, N. Hallay, N. Berroterán-Infante, C. Vranka, S. Pfaff, J. Cardinale, M. Brandt, W. Wadsak, M. Mitterhauser, T. L. Mindt *26. Jahrestagung der Arbeitsgruppe Radiochemie / Radiopharmazie (AGRR)* **2018**, Aachen, Germany (*awarded with the University of Vienna Travel Bursary*).
97. "¹⁷⁷Lu-Labelled Peptidomimetics: Novel Minigastrin Analogues for Improved Tumour Targeting" N. M. Grob, M. Béhé, R. Schibli, T. L. Mindt *TeraChem* **2018**, Bressanone, Italy (*included in the rapid fire session*).
98. "A water soluble bifunctional chelating agent for ⁸⁹Zr immuno-PET" M. L. Aulsebrook, M. Briand, M. Brandt, T. L. Mindt, G. Gasser *56th German Nuclear Medicine Congress* **2018**, Bremen, Germany.
99. "DFO* and oxoDFO*: Optimized new Chelators for Zirconium-89 ImmunoPET" M. Brandt, M. L. Aulsebrook, M. Briand, G. Gasser, T. L. Mindt *2nd Danube Symposium* **2018**, Vienna, Austria.
100. "Glycosylated ^{99m}Tc-Labeled Peptides for Improved Tumor Targeting" C. Giammei, N. Jouini, T. Balber, N. Hallay, N. Berroterán-Infante, C. Vranka, S. Pfaff, J. Cardinale, M. Brandt, W. Wadsak, M. Mitterhauser, T.L. Mindt *Molecular Imaging Cluster Festival* **2018**, Medical University of Vienna, Vienna, Austria.
101. "Triazole-based Radiopeptidomimetics: Novel Minigastrin Analogues with Increased Metabolic Stability" N. M. Grob, M. Béhé, R. Schibli, T. L. Mindt *25. Jahrestagung der Arbeitsgruppe Radiochemie / Radiopharmazie (AGRR)* **2017**, Starnberg, Germany (*awarded with the AGRR Award for best scientific presentation and the Travel Award of Swiss Society of Radiopharmacy and Radiochemistry (SGRRC)*).

102. "Improved Tumour Targeting with Stabilised Peptidomimetics" N. M. Grob, M. Béhé, R. Schibli, T. L. Mindt *Austrian Chemistry Days 2017*, Salzburg, Austria (*N. M. G. as invited member of the Swiss Chemical Society delegation*).
103. "Triazolopeptidomimetics: Novel Minigastrin Analogues with Increased Metabolic Stability" N. M. Grob, M. Béhé, R. Schibli, T. L. Mindt *Swiss Chemical Society Meeting 2017*, Bern, Switzerland.
104. „Sichtbarmachen von gesunden und krankhaften Vorgängen im Gehirn“ N. Grob, T. L. Mindt, R. Schibli, S. Ametamey *BrainFair 2017*, University of Zurich, Zurich, Switzerland.
105. "Development of bifunctional chelator DFO* with improved conjugation characteristics and in vitro and in vivo stability as the standard for clinical ⁸⁹Zr-immuno-PET imaging" M. Chomet, T. L. Mindt, G. Gasser, A. J. Poot, A. D. Windhorst, G. A. van Dongen, D. Vugts, *International Symposium Molecular Imaging Agents in Medicine 2017*, Groningen, The Netherlands.
106. "Improving the Water Solubility of the New Octadentate DFO* Chelator for Applications in ⁸⁹Zr-ImmunoPET" M. Briand, G. Gasser, T. L. Mindt *24. Jahrestagung der Arbeitsgruppe Radiochemie / Radiopharmazie 2016*, Morschach, Switzerland (*awarded with the Swiss Society of Radiopharmacy and Radiochemistry (SGRRC) Travel Award*).
107. "Novel Chemoselective ¹⁸F-Radiolabeling of Thiol-Containing Biomolecules Under Mild Aqueous Conditions" A. Chiotellis, F. Sladojevich, L. Mu, A. Müller Herde, I. E. Valverde, V. Tolmachev, R. Schibli, S. M. Ametamey, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine 2016*, Barcelona, Spain.
108. "A New Bifunctional Chelator for ⁸⁹Zr Immuno-PET: DFO*-pPhe-NCS and the Comparison with the Current Clinical Standard DFO-pPhe-NCS" D. J. Vugts, C. Klaver, C. Sewing, A. J. Poot, K. Adamzek, S. Huegli, C. Mari, I. E. Valverde, G. Gasser, T. L. Mindt, G. A.M.S. van Dongen *Annual Congress of the European Association of Nuclear Medicine 2016*, Barcelona, Spain.
109. "Substitutions of Methionine in DOTA-Minigastrin 11: Evaluation of two non-natural amino acids" N. M. Grob, M. Behe, R. Schibli, T. L. Mindt *Swiss Chemical Society Meeting 2016*, University of Zurich, Switzerland.
110. "Synthesis of Novel Octadentate Bifunctional Chelating Agents for ⁸⁹Zr Immuno-PET", M. Briand, G. Gasser, T. L. Mindt *Swiss Chemical Society Meeting 2016*, University of Zurich, Switzerland.
111. "Triazole Containing Bombesin Radiopeptidomimetics in GRPr-Tumour Targeting - The Impact of In Vivo Stability" T. Maina, I. E. Valverde, B. A. Nock, T. L. Mindt *European Peptide Symposium 2016*, Leipzig, Germany.
112. "Superior Performance of the Bifunctional Chelator DFO*-pPhe-NCS in Comparison with the Current Clinical Standard DFO-pPhe-NCS for ⁸⁹Zr-immuno-PET" D. J. Vugts, C. Klaver, C. Sewing, A. J. Poot, K. Adamzek, S. Huegli, C. Mari, I. E. Valverde, G. Gasser, T. L. Mindt, G. A.M.S. van Dongen, *Annual Meeting of the Society of Nuclear Medicine and Molecular Imaging 2016*, San Diego, USA (*highlighted in the SNM 2016 Basic Science Summary Session*).
113. "Triazole-based Radiopeptidomimetics: Novel Minigastrin 11 Analogues with Increased Metabolic Stability" N. Grob, M. Behe, R. Schibli, T. L. Mindt, *Centre of Radiopharmaceutical Sciences Research Day, ETH Zurich 2016*, Switzerland.
114. "Novel Prosthetic Group for ¹⁸F-Radiolabeling of Thiol-Containing Biomolecules" A. Chiotellis, F. Sladojevich, L. Mu, A. Müller-Herde, I. E. Valverde, V. Tolmachev, R. Schibli, S. M. Ametamey, T. L. Mindt, *Seminar in Radiological Sciences, Nottingham University 2016*, Nottingham, UK
115. "Optimization of Bombesin Based Radiotracers for Tumor Targeting" I. E. Valverde, A. Mascarin, S. Vomstein, T. L. Mindt, *19th French Peptide Symposium 2015*, Port-Bail, France.

116. "New Structure-Activity Relationship Studies on Bombesin-Based Radiotracers for Tumour Targeting" I. E. Valverde, A. Mascarin, S. Vomstein, T. L. Mindt *Swiss Chemical Society Meeting 2014*, Zurich, Switzerland.
117. "Development of Zirconium-89 and Gallium-68 Based Radiopharmaceuticals for Imaging of Insulinomas by PET" A. Bauman, C. A. Fischer, S. Vomstein, I. E. Valverde, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine 2014* Gothenburg, Sweden (*highlighted in the e-newsletter of Perkin Elmer eNews Q1 2015*).
118. "Stabilized Neurotensin-Based Radiopeptidomimetics by Click-Chemistry" A. Mascarin, I. E. Valverde, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine 2014* Gothenburg, Sweden (*selected for inclusion in the poster walk "radiopharmaceuticals"; awarded with the SGRRC Travel Award*).
119. "Optimization of Bombesin Based Radiotracers for Tumor Targeting" I. E. Valverde, A. Mascarin, S. Vomstein, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine 2014* Gothenburg, Sweden.
120. "1,2,3- Triazole Containing Neurotensin-Based Radiopeptidomimetics" A. Mascarin, I. E. Valverde, T. L. Mindt *Annual Meeting of the Swiss Association of Radiopharmacy and Radiopharmaceutical Chemistry 2014*, Montreux, Switzerland.
121. "Variation of Cellular Uptake of ^{177}Lu -[DOTA,Thi⁸,Met(O₂)¹¹]-Substance P in Different Glioblastoma Cell Lines" C. A. Fischer, D. Cordier, M. Sailer, A. Gerber, A. Bauman, G. Hutter, T. Mindt, L. Mariani *Annual Meeting of the Swiss Association of Radiopharmacy and Radiopharmaceutical Chemistry 2014*, Montreux, Switzerland.
122. "Biodistribution of Red Blood Cell-Derived Microvesicles in Healthy Compared to Septic Mice Assessed by $^{51}\text{Chromium}$ Labelling" D. Zecher, R. Jevremovic, S. Vomstein, A. Cumpelik, J. A. Schifferli, T. L. Mindt *Annual Meeting of the Swiss Association of Radiopharmacy and Radiopharmaceutical Chemistry 2014*, Montreux, Switzerland.
123. "1,2,3- Triazole Containing Neurotensin-Based Radiopeptidomimetics" A. Mascarin, I. E. Valverde, T. L. Mindt *Annual Research Meeting of the Department of Pharmaceutical Sciences 2014*, University of Basel, Basel, Switzerland.
124. "Bifunctional Bombesin-Shepherdin Radioconjugate for Targeting Extracellular GRP-receptor and Intracellular Hsp90" C. A. Fischer, S. Vomstein, T. L. Mindt *Annual Research Meeting of the Department of Pharmaceutical Sciences 2014*, University of Basel, Basel, Switzerland.
125. "Click-to-Chelate and Glycosylate" K. Römhild, C. A. Fischer, T. L. Mindt *Annual Research Meeting of the Department of Pharmaceutical Sciences 2014*, University of Basel, Basel, Switzerland.
126. "1,2,3-Triazol-basierende Radiopeptidomimetika" A. Mascarin, I. E. Valverde, T. L. Mindt *21. Jahrestagung der Arbeitsgruppe Radiochemie / Radiopharmazie 2013*, Pamhagen, Austria (*awarded with the SGRRC Travel Award*).
127. "Dual-Targeting Bombesin-Shepherdin Radioconjugate for Targeting Extracellular GRP-Receptor and Intracellular Hsp90" C. A. Kluba, S. Vomstein, M. Zimmermann, I. Valverde, A. Bauman, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine 2013* Lyon, France (*selected for inclusion in the Poster-Walk "Radiopharmaceuticals"; awarded with the SGRRC Travel Award*).
128. "1,2,3-Triazole Backbone-Modified Peptidomimetics for Improved Tumor Targeting" I. E. Valverde, A. Bauman, C. A. Kluba, S. Vomstein, T. L. Mindt *Annual Congress of the European Association of Nuclear Medicine 2013* Lyon, France (*selected for inclusion in the Poster-Walk "Radiopharmaceuticals"*).
129. "Triazole-based Peptidomimetics: novel Neurotensin (8-13) analogues with increased metabolic stability" A. Mascarin, T. L. Mindt *Basler Chemistry Symposium, PhD Chemistry Community 2013*, Basel, Switzerland.

130. "Novel Dual-Targeting BBS-TPP Radioconjugate for Tumor Imaging" C. A. Kluba; A. Bauman, I. Valverde, S. Vomstein, T. L. Mindt, *Basler Chemistry Symposium, PhD Chemistry Community* **2013**, Basel, Switzerland.
131. „Novel “Click” Peptidomimetics for Tumour Targeting” I. E. Valverde, A. Bauman, C. A. Kluba, S. Vomstein, T. L. Mindt *Basler Chemistry Symposium, PhD Chemistry Community* **2013**, Basel, Switzerland.
132. „Influence of Different Spacers on Neurotensin-Based Radiopharmaceuticals“ A. Mascarin, I. E. Valverde, T. L. Mindt, *Basler Chemistry Symposium, PhD Chemistry Community* **2013**, Basel, Switzerland.
133. “Triazole Peptides: Novel Peptidomimetics for Tumour Targeting” I. E. Valverde, A. Bauman, C. A. Kluba, S. Vomstein, T. L. Mindt *Annual Research Meeting, Department of Pharmaceutical Sciences* **2013**, Basel, Switzerland.
134. Novel dual-targeting BBS-TPP radioconjugate for tumor imaging” C. A. Kluba; A. Bauman, I. Valverde, S. Vomstein, T. L. Mindt, *Annual Research Meeting, Department of Pharmaceutical Sciences* **2013**, Basel, Switzerland.
135. „Influence of Different Spacers on Neurotensin-Based Radiopharmaceuticals“ A. Mascarin, I. E. Valverde, T. L. Mindt, *Annual Research Meeting, Department of Pharmaceutical Sciences* **2013**, Basel, Switzerland.
136. “Click Peptides: A Novel Strategy for the Design of Stabilized Radiolabeled Peptides for Tumor Imaging” I. E. Valverde, A. Bauman, C. Kluba, A. Mascarin, S. Vomstein, M. Walter, T. L. Mindt *18th French Peptide Symposium* **2013**, Lazaret, Sète, France.
137. “Dual-Targeting Conjugates Designed to Improve the Efficacy of Radiolabeled Peptides” C. A. Kluba, A. Bauman, I. E. Valverde, S. Vomstein, T. L. Mindt, *Annual Congress of the European Association of Nuclear Medicine* **2012**, Milano, Italy (*selected for inclusion in the Poster-Walk “Radiopharmaceuticals” and awarded with the SGRRC travelling award*).
138. “Effect of different spacers on Neurotensin-based radiotracers” A. Mascarin, I. E. Valverde, T. L. Mindt, *Swiss Chemical Society Meeting* **2012**, Zurich, Switzerland.
139. “Click-Peptides: Novel 1,2,3-Triazole Backbone-Modified Peptides for Tumor Targeting” I. E. Valverde, A. Bauman, C. Kluba, A. Mascarin, S. Vomstein, M. Walter, Thomas. L. Mindt, *Swiss Chemical Society (SCG) Meeting* **2012**, Zurich, Switzerland (*awarded with the SCG Metrohm prize for the best oral presentation in medicinal chemistry*).
140. “Dual-Targeting Conjugates Designed to Improve the Efficacy of Radiolabeled Peptides” C. A. Kluba, T. L. Mindt, *Swiss Chemical Society (SCG) Meeting* **2012**, Zurich, Switzerland (*awarded with the SCG Metrohm prize for the best poster presentation in medicinal chemistry*).
141. „Untersuchungen zum Einfluss verschiedener Spacer auf Neurotensin basierender Radiopharmazeutika für das Tumor Targeting“ A. Mascarin, I. E. Valverde, T. L. Mindt, *20. Jahrestagung der AG Radiochemie / Radiopharmazie* **2012**, Bad Honnef, Germany.
142. “Click-peptides - Design of Novel Stabilized Radiopeptides for Tumour Targeting” I. E. Valverde, A. Bauman, C. Kluba, M. Walter, T. L. Mindt *16th European Symposium on Radiopharmacy and Radiopharmaceuticals* **2012**, Nantes, France.
143. “Click-Peptides: Novel 1,2,3-Triazole Backbone-Modified Peptidomimetics for Tumor Targeting” I. E. Valverde, A. Bauman, C. Kluba, T. L. Mindt, *32nd European Peptide Symposium* **2012**, Athens, Greece (*awarded with the Dr. Bert. L. Schram Young Investigator Award of the European Peptide Society*).
144. „Click-Peptides: A novel Strategy for the Design of Stabilized Radiopeptides for Tumor Targeting“, I. E. Valverde, A. Bauman, C. Kluba, T. L. Mindt, *19th International Symposium on Radiopharmaceutical Sciences* **2011**, Amsterdam, The Netherlands.

145. „Optimierung von Radiopeptiden durch den Einsatz von Trifunktionellen Konjugaten“ C. A. Kluba, T. L. Mindt, 19. Arbeitstagung der Arbeitsgemeinschaft Radiochemie/Radiopharmazie (AGRR) of the Deutsche Forschungsgesellschaft Nuklearmedizin (DGN) **2011**, Ochsenfurt, Germany (*awarded with the AGRR-prize for the best scientific presentation and the SGRRRC travelling award*).
146. „Handdosimetrie bei Y-90 Markierungen – Quo Vadis?“ D. Biondo, H. Roser, H. Mäcke, T. L. Mindt, 3-Ländertreffen Nuklearmedizin **2011**, Bregenz, Austria.
147. “Towards the Optimization of Peptidic Radiopharmaceuticals”, C. A. Kluba, T. L. Mindt, 3-Ländertreffen Nuklearmedizin **2011**, Bregenz, Austria (*awarded with the SGRRRC Travel Award*).
148. “⁶⁸Ga-DOTATOC: Experiences in the routine application of the Obninsk ⁶⁸Ge/⁶⁸Ga-generator and the EZAG ModularLab synthesis module in Basel” A. Bauman, F. Forrer, M. Fani, H. Maecke, T. L. Mindt, *Annual Congress of the European Association of Nuclear Medicine* **2010**, Vienna, Austria.
149. “Click to Chelate: Functionalization of Thymidine with Chelating Systems for Rhenium and Technetium and Their Evaluation as Substrates for Human Thymidine Kinase Typ 1“ H. Struthers, T. L. Mindt, R. Schibli 16th Arbeitstagung der Arbeitsgemeinschaft Radiochemie/Radiopharmazie, **2008**, Münster, Germany.
150. “In Vitro and In Vivo Evaluation of ¹⁸F-Labeled Folate Derivatives” M. Honer, T. L. Ross, C. Müller, T. L. Mindt, P. Lam, V. Groehn, *World Molecular Imaging Congress* **2008**, Nice, France.
151. “Synthesis and Pharmacological Evaluation of ¹⁸F-Labelled Folates for the PET Imaging of Folate Receptor-Positive Tumours” T. L. Ross, M. Honer, T. L. Mindt, V. Groehn, R. Schibli, S. M. Ametamey, P. A. Schubiger *Annual Congress of the European Association of Nuclear Medicine* **2008**, Munich, Germany.
152. “Folate Mediated Imaging of Activated Macrophages in Experimental Osteoarthritis Using SPECT/CT” T. Piscaer, C. Müller, T. L. Mindt, E. Lubberts, R. Stoop, J. A. Verhaar, G. J. van Osch, R. Schibli, M. De Jong, H. Weinans *World Congress on Osteoarthritis* **2008**, Rome, Italy.
153. “Synthesis and Pharmacological Evaluation of a ¹⁸F-Labelled Folate for the PET Imaging of Folate Receptor-Positive Tumours Using Click Chemistry” T. L. Ross, T. L. Mindt, M. Honer, V. Groehn, R. Schibli, P. A. Schubiger, S. M. Ametamey, *Center for Imaging Science and Technology Symposium* **2008**, ETH Zurich, Switzerland.
154. “Design and Synthesis of Triazole Containing Metal Chelating Systems for the M(CO)₃-core (M = ^{99m}Tc, Re), and Their Incorporation into Tumor Targeting Peptides” H. Struthers, L. Brans, B. Spingler, T. L. Mindt, D. Tourwe, R. Schibli, 234th National Meeting of the American Chemical Society **2007**, Boston, USA.
155. “Design and Synthesis of Triazole Containing Metal Chelating Systems Suitable for the M(CO)₃-Core (M = ^{99m}Tc, Re), and Their Incorporation Into Tumor Targeting Peptides” H. Struthers, B. Spingler, T. L. Mindt, R. Schibli, *Fall Meeting of the Swiss Chemical Society* **2007**, EPF Lausanne, Switzerland.
156. „Application of Click Chemistry to Improve Tumor Targeting with ^{99m}Tc-Labeled Bombesin Analogues“ C. Schweinberg, L. Brans, V. Maes, T. L. Mindt, E. Garcia-Garayoa, P. Bläuenstein, D. Tourwe, P. A. Schubiger, R. Schibli 15. Arbeitstagung der AG Radiochemie/Radiopharmazie **2007**, Morschach, Switzerland.
157. “Radiosynthesis of ¹⁸F-Labelled Folic Acid Derivatives Using a Direct Method and Click Chemistry” T. L. Ross, T. L. Mindt, S. Baumann, A. Weber, V. Groehn, M. Honer, R. Schibli, P.A. Schubiger, S.M. Ametamey, *Annual Congress of the Swiss Society of Nuclear Medicine (SGNM)* **2007**, Basel, Switzerland.
158. “Radiosynthesis of ¹⁸F-Labelled Folic Acid Derivatives Using a Direct Method and Click Chemistry” T. L. Ross, T. L. Mindt, S. Baumann, A. Weber, V. Groehn, M. Honer, R. Schibli, P.A.

- Schubiger and S. M. Ametamey, *17th International Symposium on Radiopharmaceutical Sciences 2007*, Aachen, Germany.
159. "Enzymatic Functionalization and Radiolabelling of a Tumor Affine Monoclonal Antibody Using Transglutaminases" S. Jeger, A. Hohn, J. Gruenberg, T. L. Mindt and R. Schibli, *17th International Symposium on Radiopharmaceutical Sciences 2007*, Aachen, Germany.
160. "Development of Novel Enzymatic Methods for Amino Acid Specific Modification of Diagnostic and Therapeutic Proteins" S. Jeger, T. L. Mindt, A. Blanc, E. Garcia-Garayoa, R. Schibli *Seventh International Symposium on Technetium in Chemistry and Nuclear Medicine 2006*, Bressanone, Italy.
161. "Amino Acid Specific Modification of Proteins for Diagnostic and Therapeutic Purposes Using Transglutaminases" T. L. Mindt, S. Jeger, R. Waibel, I. Novack-Hofer, R. Schibli *23rd International Conference on Advances in the Application of monoclonal Antibodies in Clinical Oncology 2006*, Myconos, Greece.