

Curriculum Vitae

Thomas L. Mindt

Professional Assignments

- 2016-present *Co-Founder and Head of "Imaging Biomarkers"* of the Ludwig Boltzmann Institute Applied Diagnostics, **General Hospital of Vienna**, Vienna (AT)
- 2019-present *Privat Dozent (PD)* at the *Faculty of Chemistry*, **University of Vienna**, Vienna (AT);
- 2017-present *Lecturer* at the *Faculty of Chemistry* (till 2018), **University of Vienna** and the **Medical University of Vienna**, Vienna (AT)
- 2015-present *Honorary Professor in Radiopharmaceutical Chemistry*, **University of Basel** (CH)
- 2015-2016 *Visiting Professor in Radiopharmaceutical Sciences*, **ETH Zurich**, Zurich (CH)
- 2009-2015 *Assistant Professor in Radiopharmaceutical Chemistry*, *Chief Radiation Protection Officer (2009-2014)*, *Biosafety Officer (2012-2015)* **University of Basel Hospital**, (CH)
- 2005-2009 *Senior Scientist (2007-2009)* *Postdoctoral Fellow (2005-2006)*, **ETH Zurich**, Zürich (CH)
- 2003-2004 *Principle Scientist*, **Physical Science Inc.**, Andover, MA (USA, 2003), and **Absolute Science**, Cambridge, MA (US, 2004)
- 1998-2002 *Research Fellow and Teaching Assistant*, **Brown University**, Providence, RI (US)
- 1988-1993 *Research Assistant*, Pharma R&D and ZFL, **Novartis**, Basel (CH)

Education

- 1998 - 2002 *Ph.D.* in Organic Chemistry, **Brown University**, Providence, RI (US)
- 1993 - 1997 *Eidg. Dipl. Chemist FH* (MSc) with Double Major in Organic Chemistry and Biotechnology, **University of Applied Science ZHW** Winterthur (CH)
- 1985 - 1988 *Eidg. Dipl. Laboratory Research Assistant* in Organic Synthetic Chemistry, Apprenticeship with **Novartis**, Basel (CH)

Honors and Awards

- 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) **ETH**, Zürich (CH)
- 1997 SVCT-Prize (Swiss Association of Chemists HTL) **University of Applied Science ZHW**, Winterthur (CH)

Teaching

- 2018-present Co-lecturer of the seminar “Applied Diagnostic and Molecular Imaging” (ca. 25 participants, B.Sc., M.Sc., Ph.D.), Medical University of Vienna (AT)
- 2017-present Lecturer of “Radioactive Metals in Medicine”, Department of Chemistry, University of Vienna (AT)
- 2008-present Lecturer of the postgraduate EANM-certified course radiopharmaceutical chemistry/radiopharmacy, ETH Zurich (CH)
- 2009-2015 General and inorganic chemistry introductory lecture series, lectures in radiation safety, and radiopharmaceutical sciences, Medical Faculty, University of Basel (CH)
- 2007-2009 Conducting laboratory sections of module III “Qualification for the medicinal application of radioactive compounds with humans”, Swiss Society of Radiopharmacy/Radiopharmaceutical Chemistry, ETH Zurich (CH)
- 2007-2008 Co-lecturer of the optional subject lecture: Metal Based Drugs and Drug Development, ETH Zurich (CH)
- 2005-2008 Lecturing and conducting laboratory sections of NMR/MS courses, ETH Zurich (CH)
- 2000- 2001 Conducting problem-set sessions for advanced organic chemistry courses, Brown University, Providence (US)
- 1998-1999 Supervision of undergraduate organic chemistry laboratory sections, Brown University, Providence (US)

Professional Associations

- 2017-present Austrian Society of Nuclear Medicine and Molecular Imaging
- 2017-present Austrian Society of Chemistry 2012 European Peptide Society
- 2011-present Society of Nuclear Medicine and Molecular Imaging
- 2010-present European Society of Molecular Imaging
- 2008-present European Association of Nuclear Medicine
- 2007-present DE/AT/CH Working Group Radiopharmacy/Radiopharmaceutical Chemistry
- 2006-2015 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

- 2018-present Editorial Board Member of Nuclear Medicine and Biology, Journal of the Society of Radiopharmaceutical Sciences, Elsevier
- 2018-present Editorial Board Member of Molecules, MDPI
- 2018-present Vice-Chair and Founding Board Member of the European Society of Radiopharmacy and Radiopharmaceuticals
- 2012-present Member of the Radiopharmacy Committee (Scientific Advisor) and Scientific Program Committee (since 2013), *European Association of Nuclear Medicine* (EANM)
- 2012-2014 Swiss National Radiopharmacy Delegate, EANM
- 2011-present Member of the Swiss Examination Board of Module III “Radiopharmacy for MDs”, *Swiss Society of Radiopharmacy/Radiopharmaceutical Chemistry*
- 2009-present Editorial Board Member of the *Open Catalysis Journal*

Reviewer Activities

Project Reviewer

- Swiss National Science Foundation
- Swiss Cancer League
- French National Research Agency
- Natural Sciences & Engineering Research Council of Canada (NSERC)
- Swiss-South African Joint Research Programme
- Czech Science Foundation
- German Research Foundation (DFG)

Congress Abstract Reviewer / Chairman of Scientific Sessions (since 2009)

- European Association of Nuclear Medicine (EANM)
- Society of Nuclear Medicine (SNM), Society of Radiopharmaceutical Sciences (SRS)
- European Society of Radiopharmacy and Radiopharmaceuticals (ESRR)
- European Molecular Imaging Meeting (EMIM), TeraChem (SRS)
- German/Austrian/Swiss Working Group of Radiopharmacy and Radiopharmaceutical Chemistry (AGRR)
- Swiss Association of Radiochemistry and Radiopharmacy (SGRR)
- Austrian Association of Nuclear Medicine and Radiopharmacy (ÖGNMB)

Ad hoc Reviewer of Manuscripts (in arbitrary order)

- Chemical Reviews
- Angewandte Chemie International Edition
- European Journal of Nuclear Medicine and Molecular Imaging (EJNMMI)
- Journal of Medicinal Chemistry
- Chemical Communications
- Bioconjugate Chemistry
- Theranostics
- Organic Letters
- Dalton Transactions
- Scientific Reports
- Journal of Inorganic Biochemistry
- Chemistry - An Asian Journal
- Journal of Bioinorganic Chemistry
- International Journal of Molecular Sciences
- Applied Radiation and Isotopes
- Nuclear Medicine and Biology
- Pharmaceuticals
- EJNMMI-Radiopharmacy and Chemistry
- European Journal of Medicinal Chemistry
- Chemistry - A European Journal
- Cancer Biotherapy and Radiopharmaceuticals
- Journal of Nuclear Medicine
- ChemMedChem
- Bioorganic and Medicinal Chemistry
- Theranostics
- Molecular Pharmaceutics
- Tetrahedron Letters
- Journal of Inorganic Chemistry
- Contrast Media & Molecular Imaging
- Nucleotides & Nucleic Acids
- Nucleosides
- Synlett
- Molecules
- Journal of Amino Acids
- Current Radiopharmaceuticals
- Journal of Organic Chemistry

Funding (from 2009 as an independent investigator)**total approx. EUR 9.5 Mio**

2018-2022	Principle Investigator, Austrian Science Fund (FWF), AT
2018-2020	Industry collaboration, AT/FR
2016-2023	Co-Founder of the Ludwig Boltzmann Institute Applied Diagnostics, AT
2015-2019	Principle Investigator, Swiss National Science Foundation, CH
2015-2019	Principle Investigator (with Co-Investigator Prof. Gilles Gasser, University of Zurich, Switzerland), Swiss National Science Foundation, CH
2014-2016	Principal Investigator, Cancer League Basel, CH
2014-2015	Co-Applicant (PI: Prof. M. Gotthardt, Radboud University, The Netherlands), European FP7 Project "betaCure", CH
2013-2015	Principal Investigator, Novartis-University of Basel Excellence Scholarship for Life Sciences, CH
2012-2013	Principal Investigator, Cancer League Basel, CH
2012-2014	Co-Investigator (Principle Investigator Dr. M. Walter, University of Bern, Switzerland), Berner Krebsliga, CH
2011-2014	Principal Investigator, T. & L. La Roche Foundation, CH
2011-2015	Principal Investigator, Swiss National Science Foundation, CH
2010-2012	Principal Investigator, Nora van Meeuwen Stiftung, CH
2009-2015	Principal Investigator, Internal Funding, University of Basel, CH
2009-2015	Industry Collaborations and Consultancies, University of Basel Hospital, CH

Publications and Patents



A) Peer-Reviewed Publications

1. "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. DOI: 10.2967/jnumed.117.190801.
2. "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. DOI: 10.1039/C7DT03639F.
3. "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.
4. "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. DOI: 10.1016/j.nucmedbio.2017.06.001
5. "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
6. "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**, *accepted*.
7. "Glycated ^{99m}Tc-Tricarbonyl Labelled Peptide Conjugates for Tumour Targeting by Click-to-Chelate" C. A. Fischer, T. L. Mindt *ChemMedChem* **2016**, *on-line*.
8. "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* **2016**, *on-line*.
9. "Radiolabeled Analogs of Neurotensin (8-13) Containing Multiple 1,2,3-Triazoles as Stable Amid Bond Mimics in the Backbone" A. Mascarin, I. E. Valverde, T. L. Mindt *Medicinal Chemical Communications* **2016**, *7*, 1640-1646.
10. "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.
11. "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.
 12. "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.
 13. "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.
 14. "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.
 15. "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.
 16. "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.
 17. "Regioselective 1,2-Addition of Organometallic Reagents to Unprotected Juglones" K. A. Parker, T. L. Mindt *Tetrahedron Letters* **2015**, *56*, 3500-3502.
 18. "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.
 19. "A Bombesin-Shepherdin Radioconjugate Designed for Combined Extra- and Intracellular Targeting" C. A. Fischer, S. Vomstein, T. L. Mindt *Pharmaceuticals* **2014**, *7*, 662-675.
 20. "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.
 21. "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.
 22. "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.
 23. "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.
 24. "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 and *Angewandte Chemie* **2013**, *125*, 9126-9129 (German version).

25. "1,2,3-Triazoles as Amide Bond Surrogates in Peptidomimetics" I. E. Valverde, T. L. Mindt *Chimia* **2013**, *4*, 262-266.
26. "Click-to-Chelate: Development of Technetium- and Rhenium-Tricarbonyl Labeled Radiopharmaceuticals" C. A. Kluba, T. L. Mindt *Molecules* **2013**, *18*, 3206-3226.
27. "Effect of a Spacer Moiety on Radiometal Labelled Neurotensin Derivatives" A. Mascarin, I. E. Valverde, T. L. Mindt *Radiochimica Acta* **2013**, *11*, 733-738.
28. "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.
29. "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.
30. "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.
31. "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.
32. "Effect of Amino Acid Infusion on Potassium Serum Levels in Neuroendocrine Tumor Patients Treated with Peptide-Receptor Radionuclide Therapie" G. Giovacchini, G. Nicolas, T. L. Mindt, F. Forrer *European Journal of Nuclear Medicine and Molecular Imaging* **2011**, *38*, 1675-1682
33. „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.
34. "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.
35. "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.
36. "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.
37. "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.
38. "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.
39. "Click Chemistry Radiosynthesis and Preclinical Evaluation of a New ¹⁸F-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.
40. "Click-to-Chelate: In Vitro and In Vivo Comparison of a ^{99m}Tc(CO)₃-Labeled N(□)-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.

41. "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.
42. "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.
43. "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.
44. "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.
45. "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.
46. "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.
47. "Heterocycle Annulation of Enolizable Vinyl Quinone Imides. Dihydroquinolines and Quinolines from Thermal 6 π -Electrocyclizations and Indoles from Photochemical Cyclizations"; K. A. Parker, T. L. Mindt *Organic Letters* **2002**, *4* (24), 4265.
48. "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.
49. "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.
50. "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.
51. " 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.
52. " 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.
53. "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.

B) Patents

1. "Multidentate Chelating Agents for Radionuclide Complexation in Diagnostics and Therapy" T. L. Mindt, G. Gasser, A. Bauman, M. Patras **2014**, EP14160792
2. "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**
3. "Novel ^{18}F -labelled Folates as PET Tracers" T. Ross; T. L. Mindt; V. Groehn; R. Moser; S. Ametamey; A. P. Schubiger **WO2008125615**.

4. "Folic Acid Functionalized with Histidine- or Histidine-like Metal Chelators for SPECT Applications" T. L. Mindt, C. Müller, R. Schibli, V. Groehn, WO**2008**125618.
5. "Preparation of Triazole Containing Metal Chelating Agents as well as Their Incorporation into Biomolecules and Their Tricarbonyl Complexes with Technetium and Rhenium" Mindt T. L., Schibli R. **2006**P12660EP.

C) Book Chapters

1. "Bioconjugation Techniques" J. Cardinale, C. Giammei, N. Jouini, T. L. Mindt *in Radiopharmaceutical Chemistry*, Editors: J. Lewis, B. Zeglis, A. Windhorst, Springer **2018**, *in print*.
2. "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. *In Technetium-99m Radiopharmaceuticals: Status and Trends*, **2010**, International Atomic Energy Agency, 41-55.

D) Non-Peer-Reviewed Publications

1. "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
2. "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.
3. "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
4. "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
5. "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
6. "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.
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F) Presentations and Invited lectures

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