

Oliver Grundmann

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Education

- May 2013 –
December 2014
(projected)* Master of Education (MEd) in Educational Technology,
University of Florida, US
- December 2007* Doctor of Philosophy (PhD) in Pharmaceutical Sciences,
University of Florida, US
Dissertation title: Anxiolytic activity of *Apocynum venetum*
L. and its proposed Mechanisms of Action
- May 2007* Master of Science (MS) in Forensic Toxicology with Minor
in Statistics, University of Florida, US
- May 2007* Certificate in Drug Chemistry, University of Florida
- March 2007* Certificate in WebCT Vista and Turnitin for Vista for
Instructors, University of Florida
- December 2006* Certificate in Forensic Toxicology, University of Florida
- May 2004* Final exam and licensure as pharmacist, Westfälische
Wilhelms-Universität Münster, Münster, Germany
- February 1998 -
November 1999* Distance education in psychological counseling,
Academy for Holistic Studies, Haan, Germany

Work Experience

- July 2014 -
present* Director of online graduate education programs in
Pharmaceutical Chemistry & Clinical Toxicology,
University of Florida
- July 2014 -
present* Clinical Associate Professor, Department of Medicinal
Chemistry, College of Pharmacy, University of Florida
- December 2011 -
present* Joint appointment as Assistant Professor, Department of
Adult and Elderly Nursing, College of Nursing, University
of Florida
- May 2011 -
present* Adjunct Assistant Professor, Department of
Pharmaceutical Sciences, College of Pharmacy,
Midwestern University
- October 2008 -
June 2014* Clinical Assistant Professor, Department of Medicinal
Chemistry, College of Pharmacy, University of Florida

<i>January 2008 - October 2008</i>	Research Associate, Department of Nutritional Sciences, University of Arizona
<i>June 2007 - October 2008</i>	Teaching assistant (Natural medicinal products, Laboratory QA/QC), Forensic Science Distance Education Program, University of Florida
<i>November 2004 - June 2007</i>	Research assistant, Office of Research Support, College of Nursing, University of Florida
<i>August 2004 - December 2007</i>	Teaching assistant (Pharmaceutical Skills Laboratory, Integrated Case Studies), Department of Pharmaceutics, University of Florida
<i>May 2006 - July 2006</i>	Visiting Scientist, Neurological Science Institute, Oregon Health and Science University
<i>June 2005 - August 2005</i>	Fellow of the Japan Society for the Promotion of Science, Research associate at the University of Tokushima, Japan
<i>November 2004 - February 2005</i>	Consultant for clinical study, Dr. Childress/Dr. Stechmiller, College of Nursing, University of Florida
<i>May 2004 - August 2004</i>	Employed pharmacist in local pharmacy, Lengerich, Germany
<i>November 2003 - April 2004</i>	Internship at Merck KGaA (Quality control and analysis department), Darmstadt, Germany
<i>May 2003 - October 2003</i>	Internship at local pharmacy, Münster, Germany
<i>August 1998 - September 1998</i>	Internship with Wagner Pharmaceuticals (Analytical department), Lengerich, Germany
<i>August 1997 - July 1998</i>	Civil service as nurse aid on internal medicine station in local hospital, Lengerich, Germany

Presentations, Posters, and Invited lectures (excerpt)

<i>August 2014</i>	Near or Far – Online and Distance Education Technology at the University of Florida transcends boundaries, International Conference on China-US Open and Distance Education, Beijing, China
<i>July 2013</i>	Herbal supplements during pregnancy, UF College of Nursing, Graduate student seminar series
<i>April 2013</i>	Herbal Supplement Use As Symptom Management Of Gastrointestinal Disorders Using An Online Survey, UF College of Nursing Research Day, Gainesville, FL
<i>March 2013</i>	Not just “gut feelings” – the human gut microbiome in disease and drug metabolism, invited keynote address, 2013, International Conference on Advances in pharmacological & pharmaceutical approaches to drug discovery & clinical development, Chandigarh, India

December 2012 SCST Session: Science through Application: How Forensic Science can get Kids interested, Workshop coordinator, 2012, National Science Teachers Association Regional Conference, Phoenix, AZ

December 2012 Graduate Distance Education Programs: An Evolving Concept with Practical Applications, panelist, NSTA ESP Symposium, ESP: Unique Features of programs that meet “More Emphasis” Features in the NSES, 2012, National Science Teachers Association Regional Conference, Phoenix, AZ

November 2012 Acupuncture as a novel intervention to improve appetite in patients with cancers of the gastrointestinal tract, 2012, Oncology Nursing Society, Phoenix, AZ

September 2012 Herbal supplements during pregnancy, UF College of Nursing, Graduate student seminar series

July 2012 Endocrine and Antidiabetic drugs, UF College of Nursing, Invited Lecture for course NUR3145

March 2012 Efficacy of Acupuncture to Improve Cancer-related Nutritional Impairment in Patients with Cancers of the Gastrointestinal Tract, UF College of Nursing Research Day, Gainesville, FL

November 2011 Digital Crime Scene Documentation in Forensic Education, 2011, Techno Forensics Conference, Myrtle Beach, US

October 2011 Graduate Distance Education Programs in Forensic Science, Southwestern Association of Forensic Sciences 2011 conference, Houston, US

September 2011 Not just “gut feelings” – the human gut microbiome in disease and drug metabolism, Midwestern University Guest Speaker Seminar Series, Glendale, US

February 2011 Organoleptic evaluation of a liquid placebo compared with a liquid dietary supplement in healthy adults, 25th Annual Conference of the Southern Nursing Research Society, Jacksonville, US

March 2010 Evaluation of a new online international graduate program in pharmaceutical chemistry, 239th American Chemical Society National Meeting, San Francisco, US

September 2009 Online Worldwide Forensic Collaboration that Sparks Educational Innovation, 5th Meeting of the European Association of Forensic Science, Glasgow, UK

January 2009 The influence of gut bacterial microflora on pre-systemic metabolism of drugs – a new dimension, University of Frankfurt, Frankfurt, Germany

September 2008 International Teaching Collaborations in Forensic Sciences, 87th Annual meeting of the German Society of Legal Medicine, Dresden, Germany

May 2008	Depression – overdiagnosed and undertreated, University of Arizona Elective Enrichment Program, Telemedicine, Tucson, US
March 2007	<i>Apocynum venetum</i> – new aspects of a traditional plant, Department of Pharmaceutics, University of Florida, US
March 2006	Anxiolytic activity of <i>Apocynum venetum</i> and its proposed mechanism(s) of action, Department of Pharmaceutics, University of Florida, Gainesville, US
August 2005	Antioxidant and anxiolytic activities of a leaf extract of <i>Apocynum venetum</i> L., 22 nd Annual conference of the Medical and Pharmaceutical Society for traditional Japanese and Chinese medicine, Tokyo, Japan
July 2005	<i>In vivo</i> experiments in the evaluation of CNS-active natural medicines – an overview, Department of Nutrition and Food science, University of Kobe, Kobe, Japan
April 2004	Concept development for an administrative tool for validation documentation, Merck KGaA, Darmstadt, Germany
September 2002	Epilepsy – a review of the pathology and the current treatment guidelines, University of Münster, Münster, Germany

Publications

2014	<p>The current state of bioterrorist attack surveillance and preparedness in the US, O. Grundmann, <i>Risk Management and Healthcare Policy</i>, accepted manuscript.</p> <p>Complementary and alternative medicines in irritable bowel syndrome: An integrative view, O. Grundmann & S. Yoon, <i>World Journal of Gastroenterology</i>, 2014, January;20(2):346-362. PMID: 24574705.</p> <p>A brief Review of Krill oil History, Research and the commercial market, J. Kwantes, O. Grundmann, <i>Journal of Dietary Supplements</i>, 2014. PMID: 24689485.</p>
2013	<p>Career Readiness: an Old Idea? (guest editorial), O. Grundmann, <i>Journal of College Science Teaching</i>, 2013.</p> <p>Factors that influence the variability of anogenital injury in adult sexual assault: a review of the forensic literature, F.A. Laitinen, O. Grundmann, E.J. Ernst, <i>American Journal of Forensic Medicine and Pathology</i>, 2013, PMID: 23835534.</p> <p>Mind-body therapies for functional bowel disorders—a review of recent clinical trials, O. Grundmann, S. Yoon, <i>European Journal of Integrative Medicine</i>, 2013, August;5(4):296-307. doi: 10.1016/j.eujim.2013.03.007</p>

- 2013 (continued) Recent Advances in the Diagnosis and Treatment of Irritable Bowel Syndrome, O. Grundmann, *Journal of Gastroenterology and Hepatology Research*, 2013, March;2(3):391-393.
- Menthol – pharmacology of an important naturally medicinal “cool”, J.A. Farco, O. Grundmann, *Mini-Reviews in Medicinal Chemistry*, 2013, January;13(1):124-131. PMID: 23061635
- 2012 Graduate Distance Education Programs in Forensic Sciences, Pharmaceutical Chemistry, and Clinical Toxicology for Working Professionals: An Evolving Concept with Practical Applications, O. Grundmann, D. Lebow, in *National Science Teachers Association Exemplary Science Program monograph series*, Robert Yager (ed.), NSTA press, accepted manuscript.
- Book review, Curbside Consultation in IBS: 49 clinical questions by Brian E. Lacey (editor), O. Grundmann, *Practical Gastroenterology*, accepted manuscript.
- An Orthomolecular Approach to the Prevention and Treatment of Psychiatric Disorders, M. Zell, O. Grundmann, *Advances in Mind-Body Medicine*, 2012, Fall;26(2):14-29.
- Clinical Evaluation of liquid placebos for an herbal supplement, STW5, in healthy volunteers, S. Yoon, O. Grundmann, D. Keane, T. Urbano, B. Moshiree, *Complementary Therapies in Medicine*, 2012, October;20(5):267-274. PMID: 22863640
- Aloe vera gel research review, O. Grundmann, *Natural Medicine Journal*, 2012, September;9(4).
- Recent developments in the Use of Pre- and Probiotics for Irritable Bowel Syndrome, S. Yoon, B. Moshiree, O. Grundmann, *European Gastroenterology & Hepatology Review*, 2012, January;7(4):237-241.
- 2011 The Use of Glucosamine, Devil's Claw (*Harpagophytum procumbens*), and Acupuncture as Complementary and Alternative Treatments for Osteoarthritis, M. Sanders, O. Grundmann, *Alternative Medicine Review*, 2011, September;16(3):228-238. PMID: 21951024
- Educational Collaboration for a global Forensic Science Initiative, O. Grundmann, D. Wielbo, , N. Toffolo, I. Tebbett, *Forensic Technology Review*, 2011, 210-214.
- Specialization and multidiscipline approaches in Forensic Science Education – new frontiers, O. Grundmann, D. Wielbo, N. Toffolo, I. Tebbett, *Forensic Technology Review*, 2011, 216-218.

- 2011 (continued) Management of Irritable Bowel Syndrome (IBS) in Adults: Conventional and Complementary/Alternative Approaches, S. Yoon, O. Grundmann, L. Koepp, L. Farrell, *Alternative Medicine Review*, 2011, June;16(2):134-151. PMID: 21649455
- Remembering the Past and looking forward into the Future (editorial), O. Grundmann, *Alternative Medicine Studies*, 2011, January;1(1).
- Recent Advances in the Prevention of Bioterrorism Attacks (editorial), O. Grundmann, *Journal of Bioterrorism & Biodefense*, 2011, January;2(1):1.
- Social Annotation to enhance Learning and Assessment in higher Education (book chapter), D. Lebow, D. Lick, H. Hartman, C. Dalglish, O. Grundmann, in *Educating Educators with Social Media*, Charles Wankel (ed.), Emerald Publishing, 2011.
- 2010 Forensic Foundations, O. Grundmann, D. Wielbo, N. Toffolo, I. Tebbett, *Forensic Technology Review*, 2010, 186-189.
- The gut microbiome and pre-systemic metabolism: current state and evolving research, O. Grundmann, *Journal of Drug Metabolism & Toxicology*, 2010, November;1:104.
- Current Developments for the Diagnosis and Treatment of Irritable Bowel Syndrome, O. Grundmann, S. Yoon, B. Moshiree, *Current Pharmaceutical Design*, 2010, November;16(33): 3638-3645. PMID: 21128902
- Propofol: An Analytical and Medico-legal Challenge, O. Grundmann, *Forensic Magazine*, 2010, October/November;7(5):13-15.
- The Implementation and Growth of an International Online Forensic Science Graduate Program at the University of Florida, O. Grundmann, D. Wielbo, I. Tebbett, *Journal of College Science Teaching*, 2010, September/October;40(1): 34-40.
- Restoration of radiation therapy-induced salivary gland dysfunction in mice by post therapy IGF-1 administration, O. Grundmann, J.L. Fillinger, K.R. Victory, R. Burd, K.H. Limesand, *BMC Cancer*, 2010, August;10:417. PMID: 20698985
- Insulin-Like growth factor-1 preserves salivary gland function after fractionated radiation, K.H. Limesand, J.L. Avila, K. Victory, H.H. Chang, Y.J. Shin, O. Grundmann, R.R. Klein, *International Journal of Radiation Oncology, Biology, Physics*, 2010, October;78(2):579-586. PMID: 20638195

- 2010 (continued) Mechanism of St. John's wort extract (STW3-VI) during chronic restraint stress is mediated by the interrelationship of the immune, oxidative defense, and neuroendocrine system, O. Grundmann, Y. Lv, O. Kelber, V. Butterweck, *Neuropharmacology*, 2010, March-April;58(4-5): 767-773. PMID: 20036263
- Irritable Bowel Syndrome (IBS) - epidemiology, diagnosis, and treatment - an update for healthcare practitioners, O. Grundmann, S. Yoon, *Journal of Gastroenterology and Hepatology*, 2010, April;25(4): 691-699. PMID: 20074154
- 2009 Sensitivity of salivary glands to radiation: From animal models to therapies, O. Grundmann, G.C. Mitchell, K.H. Limesand, *Journal of Dental Research*, 2009, October;88(10): 894-903. PMID: 19783796
- Kaempferol from the leaves of *Apocynum venetum* possesses anxiolytic activities in the elevated plus maze test in mice, O. Grundmann, J. Nakajima, K. Kamata, S. Seo, V. Butterweck, *Phytomedicine*, 2009, April;16(4): 295-302. PMID: 19303276
- Anxiolytic effects of a passion flower (*Passiflora incarnata* L.) extract in the elevated plus maze in mice, O. Grundmann, C. Wähling, C. Staiger, V. Butterweck, *Pharmazie*, 2009, January;64(1): 63-64. PMID: 19216234
- Deadly delicious – Mushroom poisoning, O. Grundmann, I. Tebbett, *Forensic Magazine*, 2009, February/March;6(1)
- Radiation-induced salivary gland dysfunction results from p53-dependent apoptosis, J. Avila, O. Grundmann, R. Burd, K.H. Limesand, *International Journal of Radiation Oncology, Biology, Physics*, 2009, February;73(2): 523-529. PMID: 19147016
- 2008 Anxiolytic activity of a phytochemically characterized *Passiflora incarnata* extract is mediated via the GABA-ergic system, O. Grundmann, J. Wang, G.P. McGregor, V. Butterweck, *Planta Medica*, 2008, December;74(15): 1769-1773. PMID: 19006051
- Ricin on the rise – are we prepared?, O. Grundmann, I. Tebbett, *Forensic Magazine*, 2008, June/July;5(3): 25-28.
- 2007 *Apocynum venetum* L., a traditional herbal drug with up-to-date pharmacological effects, O. Grundmann, V. Butterweck, *Zeitschrift für Phytotherapie*, 2007, October;28(5): 215-222.
- Salvia divinorum* and Salvinorin A: An Update on Pharmacology and Analytical Methodology, O. Grundmann, S.M. Phipps, I. Zadezensky, V. Butterweck, *Planta Medica*, 2007, August;73(10): 1039-46. PMID: 17628834
- Hypothermic effects of hops are antagonized with the competitive melatonin receptor antagonist luzindole in mice, V. Butterweck, A. Brattstroem, O. Grundmann, U. Koetter, *Journal of Pharmacy and Pharmacology*, 2007, April;59(4): 549-552. PMID: 17430638

- 2007 (continued) Anti-anxiety Effects of *Apocynum venetum* L. in the Elevated Plus Maze test, O. Grundmann, J. Nakajima, S. Seo, V. Butterweck, *Journal of Ethnopharmacology*, 2007, April;110(3): 406-411. PMID: 17101250
- 2006 Effects of St. John's wort extract and single constituents on stress induced hyperthermia in mice, O. Grundmann, O. Kelber, V. Butterweck, *Planta Medica*, 2006, December;72(15): 1366-1371. PMID: 17051457
- Antidepressant effect of extracts from *Ginkgo biloba* leaves in behavioral models, H. Sakakibara, K. Ishida, O. Grundmann, J. Nakajima, S. Seo, V. Butterweck, Y. Minami, S. Saito, Y. Kawai, Y. Nakaya, J. Terao, *Biological & Pharmaceutical Bulletin*, 2006, August;29(8): 1767-1770. PMID: 16880641

Awards

- 2013 Poster Award, mentor of undergraduate students, UF College of Nursing Research day
- 2012 UF Open Access award for editorial services and the Journal of Alternative Medicine Studies
- 2007 Poster award recipient of the American Society of Pharmacognosy
- 2006 Travel grant recipient of the Society for Medicinal Plant research
- 2005 Summer fellowship of the Japan Society for the Promotion of Science and the German Academic Exchange Service
- 2005 Certificate of Academic Achievement by the President of the University of Florida

Professional Memberships

- American Society of Pharmacognosy (ASP)
- German Association of Pharmacy (DPhG)
- American Association of Pharmaceutical Scientists (AAPS)
Secretary and historian of the UF Student chapter (2006-2007)
- American College of Clinical Pharmacology (ACCP)
- Society for Medicinal Plant Research
- National Scholar Honors Society
- American Chemical Society (ACS)
- National Science Teachers Association (NSTA)
- American Academy of Clinical Toxicology (AACT)
- Society of Forensic Toxicologists (SOFT)
Associate member

Additional Qualifications

Ad-hoc manuscript reviewer for:

Planta Medica (2008-present)

Scientia Pharmaceutica (2009)

BioMed Central Complementary and Alternative Medicine (2010-present)

Scandinavian Journal of Gastroenterology (2010-2011)

Journal of Dietary Supplements (2010-2012)

Progress in Neuro-Psychopharmacology & Biological Psychiatry (2010)

Pharmacology, Biochemistry and Behavior (2010)

Biological Research for Nursing (2012)

Journal of Neuroscience (2011)

Member of the *International Advisory Board* of the National Science Teachers Association (2014-2017)

Member of the *Committee on College Science Teaching* of the National Science Teachers Association (2010-2013)

Member of the Editorial Board of the Journal *Drug Metabolism & Toxicology* (2010-present)

Member of the Editorial Board of the *Journal of Forensic Research* (2010-present)

Member of the Editorial Board of the *Journal of Bioterrorism & Biodefense* (2010-present)

Member of the Editorial Board of the Journal *Interactive Medicinal Chemistry* (2013-present)

Member of the Editorial Board of the *World Journal of Translational Medicine* (2013-present)

Contributing Associate Editor-in-Chief of the *World Journal of Gastroenterology* (2011-present)

Editor-in-Chief of the Journal *Alternative Medicine Studies* (2010-present)

Peer reviewer, Natural Standard Research Collaboration (2011-present)

Peer reviewer, Health Research Board, Republic of Ireland (2011)

Community outreach/extracurricular activities

Grand judge at the Intel Science and Engineering Fair, Phoenix, AZ (May 2013)

Local middle and high school presentations on forensic sciences and drug abuse
(2009-present)

Volunteer judge for Arizona "Project citizen", Arizona Foundation for Legal
Services & Education
(2011-present)

Workshop "Strengthening Forensic Science in the United States", National
Science Foundation, Washington, D.C.
(December 2012)