

Curriculum Vitae – Thomas B. Poulsen



PERSONAL

Born: June 17th 1979 in Horsens, Denmark, married, 3 children
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EDUCATION

2008 (28/4) PhD in Chemistry, Aarhus University, Denmark
2006 MSc in Chemistry, Aarhus University, Denmark (GPA 12.1/13.0)
2003 BSc in Chemistry, Aarhus University, Denmark (GPA 12.3/13.0)
2000 Military Service, Queens regiment, Aalborg, function: APC-commander.
1999 High School graduate, Viborg

ACADEMIC APPOINTMENTS

2012-17 (31/10) Lundbeckfond Fellow Group Leader, **Assistant Professor**, Aarhus University
2011-13 Sapere Aude: DFF-Young Elite Scientist, **Independent researcher**, Aarhus University
2008-10 Lundbeckfoundation **Postdoctoral Fellow**, Harvard University, Cambridge, USA.
PI: Matthew D. Shair
2008 (6 months) **Postdoctoral Fellow**, Aarhus University. PI: Karl Anker Jørgensen
2004-2008 **MSc/PhD student**, Aarhus University. PI: Karl Anker Jørgensen

AWARDS, FELLOWSHIPS, HONORS

2015 Danish Cancer Society, Research Grant (85K Euro)
2015 Selected for EUChemS Young Investigator Workshop
2014 Carlsbergfoundation instrument grant (14K Euro)
2014 Distinguished Presenter Award, 10th CMIOT conference, Shanghai
2013 Carlsbergfoundation instrument grant (17K Euro)
2013+2015 Thieme Chemistry Journals Award
2012 Carlsbergfoundation instrument grant (60K Euro)
2012-2017 Lundbeckfond Fellow Junior Group Leader (1.34M Euro, 5 years)
2011-2016 Member of Danish Young Academy under The Danish Royal Academy of Sciences and Letters (2012 board member, 2013 vice-chair)
2011-2013 Danish Cancer Society, Research Grant (120K Euro, 2 years)
2010-2013 Sapere Aude: DFF – young elite scientist (310K M Euro, 2.5 years)
2009 AURF PhD Award (1 in 5 recipients of all 2008 graduates, 50K Euro)
2008-2010 Lundbeckfoundation Postdoctoral fellowship, Harvard (125K Euro, 2 years)
2008 Lundbeckfoundation talent award (75K Euro)
2008 Danish Chemical Society Award: Best PhD dissertation 2008 (Organic Chemistry)
1999 Highest GPA Award (seniors), VK High School, Viborg

ADDITIONAL INSTITUTIONAL/NATIONAL RESPONSIBILITIES

2014-present Member of Board, Danish Chemical Society – Section for Organic Chemistry.
2013-present Co-Initiator: *Challenges in Chemistry*: Undergrad Talent programme, Chem-AU
2012-present Comitee member: *General Chemistry Lectures*, Chem-AU.

RESEARCH PROFILE KEYWORDS

Organic chemistry, complex molecule synthesis, asymmetric metal and organocatalysis, small molecule target identification, chemical genetics, cell and molecular biology, cancer biology

MANAGEMENT EXPERIENCE

As of 1/10-2015: Main supervisor for 4 post docs, 5 PhD students, 4 master students, >10 bachelor students.
>4 years of experience directing cross-disciplinary research projects involving scientists (post docs and PhD-students) with core expertises in synthetic chemistry and cell/molecular biology.

BIBLIOMETRY

26 peer-reviewed papers (8 as first author, 6 as corresponding author); **+1500 citations** (WoS), **H-index: 16** (WoS **2003-15**), **i10-index: 17** (GS), 9 papers in high-impact (IF>10) journals, 10 papers with >50 citations, 2 papers in “Highly-cited category (WoS), 2 Angew. Chem. “hot paper” articles, 1 journal cover.

PRESENTATIONS

14 presentations at int. conferences/workshops, (3 invited, 11 selected abstracts for Poster/Talk); 4 invited seminars
Selected recent (2011-15)

25-29 July 2015: ASP 2015 Annual Meeting – The Brave New World of Natural Product Total Synthesis, Colorado-USA, “*Total Syntheses of Rakicidin A and BE-43547A₁*”, **Invited speaker**

9-11 July 2015: EUChemS Young Investigator Workshop, Aveiro-Portugal, “*Synthetic Studies of Rakicidin A and BE-43547A₁*”, **Invited Speaker**

6-8 Nov 2014: 10th Chinese Conference of Minimally Invasive Therapy in Oncology, Shanghai-China, “*Bioactive natural products guiding the search for new cancer targets*”, **Invited speaker**

20-23 Aug. 2014: EMBO conference on Chemical Biology, Heidelberg-Germany, “*Investigations into the total synthesis and mechanism-of-action of a new class of anticancer depsipeptides*”, **Poster presentation**

10-14 Aug. 2014: 248th ACS National Meeting, San Francisco-USA, “*Investigations into the total synthesis and mechanism-of-action of a new class of anticancer depsipeptides*”, **Abstract selected for Talk**

25 June 2013: Departmental seminar, Max Planck Institute for Molecular Physiology, Dortmund-Germany, “*Searching for New Cancer Targets Through Studies of Bioactive Natural Products*”, **Invited Speaker**

13 Mar 2013: TOPBIO workshop seminar, Aarhus-Denmark, “*Using the sniper rifle or the pump gun to perturb cell behavior: travelogue from a grand tour into the possibilities of two-photon irradiation*”, **Invited Speaker**

26-29 Sep 2012: EMBO conference on Chemical Biology, Heidelberg-Germany, “*Mechanistic studies on the anti tumoral natural product rakicidin A*”, **Poster presentation**

29 June 2012: Departmental seminar, Dept. of Chemistry, Copenhagen University, “*Discovering the anti-cancer Targets of Tomorrow*”, **Invited speaker**

12-14 Sep 2011: Danish Cancer Society Symposium 2011, Copenhagen-Denmark, “*Identification of OSBP as the Cellular Target of Diverse Tumor Cell Selective Natural Products*”, **Selected participant, Poster presentation**

7-10 Sep 2011: ISREC Symposium 2011, “*Hallmarks and Horizons of Cancer*”, Lausanne-Schweiz, “*Identification of OSBP as the Cellular Target of Diverse Tumor Cell Selective Natural Products*”, **Poster presentation**

17 Aug 2011: Seminar at Discovery Chemistry & DMPK, H. Lundbeck A/S, Copenhagen-Denmark, “*Discovery of Oxysterol Binding Proteins as Targets of Tumor Cell Selective Natural Products*”, **Invited speaker**

TEACHING EXPERIENCE AND QUALIFICATIONS

Chemical Biology (5 ECTS graduate, AU): Course initiator, responsible and main lecturer.

Teacher rating from students: 2012 (4.6/5.0), 2013 (4.5/5.0), 2014 (4.9/5.0)

Course rating from students: 2012 (4.6/5.0), 2013 (4.5/5.0), 2014 (4.9/5.0)

Adv. Reactions in Org. Chem. (5 ECTS, graduate, AU): Course responsible and main lecturer

Teacher rating from students: 2012 (4.7/5.0), 2013 (5.0/5.0), 2014 (4.8/5.0)

Course rating from students: 2012 (4.7/5.0), 2013 (4.3/5.0), 2014 (4.4/5.0)

Guest Lecturer in 5 additional graduate and undergraduate courses at Aarhus University

Supervisor for the **Organic Chemical Playground** - a voluntary evening PhD-course in problem solving skills.

DISSEMINATION AND RESEARCH POLICY

Have given 6 general science lectures, published 2 popular science articles, co-authored 3 chronicles/commentaries in university and major danish newspapers, been invited speaker at 3 meetings on research policy, research management, and talent development.

Selected Recent (2013-15):

9 Oct 2015: Commentary in Berlingske tidende “*Forskning på smalkost*”

21 Jun 2014: ESOF-2014, Copenhagen-Denmark, “*To be or not to be too many PhDs: What is a PhD for?*”

Co-organizer of career-session

4 Jun 2014: Altinget-web portal, popular science/opinion article “*Molecular precision bombs: Can we afford the chemotherapy of the future*”, **Invited contributor**

15 May 2014: National PhD-network seminar, AIAS, AU, “*Should you gamble with your career during your post doc*”

3 May 2013: National Research Day – Royal Danish Academy of Sciences, “*The Chemotherapy of the Future: Where should we search?*”, **Tag-team lecture with Prof. Kristian Helin (BRIC-Copenhagen University)**

25 Apr 2013: Chronicle in Weekendavisen “*Vi kan skabe en elite på universiteterne*”