

# Curriculum Vitae of Henrik Druid MD, PhD.

Updated Jan 14, 2023

## **Educational history:**

2011 Professor at Karolinska Institutet, Stockholm, Sweden  
2001 Associate Professor at Karolinska Institute, Stockholm, Sweden  
2001 Associate Professor at Linköping University, Sweden  
2000-2001 Postdoc at Dept of Neurology, University of Miami  
1998 PhD  
1988 Certified Forensic Pathologist  
1983 M.D. license  
1982 M.D. exam

Research courses: Literature search and bibliographic training 1984, Isotopes in theory and practice 1984, Theory of science 1984, Biology of free radicals 1987, Medical statistics 1987, Computer training and theory 1988, Basic pedagogy 1988, Animal research 1994, Neuropathol. 1997, Cardiac pathology 1998, PhD student mentorship training 1999. Advanced multiple staining immunohistochemistry 2004, Advances in cardiac pathology 2013. Diagnostic aspects of child abuse 2014.

## **Present position:**

2011- Faculty Professor of Forensic Medicine at Karolinska Institute, Sweden and Senior Forensic Pathologist at the Swedish National Board of Forensic Medicine.

## **Occupational history**

2006-2011 Research Manager and Senior Forensic Pathologist at the Swedish National Board of Forensic Medicine and Ass Prof of Forensic Medicine at Karolinska Institute.  
2001-2005 Chief Forensic Pathologist in Stockholm, Sweden, at the National Board of Forensic Medicine and Ass Prof of Forensic Medicine at Karolinska Institute, Stockholm, Sweden  
2000-2001 Postdoc (supported by NIH/NIDA) Dept of Neurology, University of Miami, FL  
2000-2002 Senior Clinical Consultant, Dept of Forensic Toxicology, Linköping, Sweden  
1998-1999 Deputy Chief, Dept Forensic Medicine, Linköping, Sweden  
1991-1993 Deputy Chief, Dept Forensic Medicine, Linköping, Sweden  
1988-1999 Forensic Pathologist, Dept Forensic Medicine, Linköping, Sweden  
1983-1988 Residency: Linköping, Sweden  
1982-1983 Internship: Finspång/Norrköping, Sweden  
1981 Deputyship, assistant physician general practice (2 months) Mjölby, Sweden  
1980 Deputyship, assistant physician internal med (2 months) Värnamo, Sweden.

## **Teaching activity:**

More than 1,800 hours of lectures for medical students in forensic medicine at Linköping University (1985-2000) and Karolinska Institute (2001-). Organizer for the courses in forensic medicine for medical students at Karolinska Institute since 2002. Organizer of and lecturer at courses in postmortem toxicology, time-of-death-estimation and forensic histopathology. Co-organizer in student selected course in forensic medicine 2021.

**Invited lectures:** 50 in 13 countries.

**Scientific activity and supervision:** Studies on postmortem toxicology since 1989, founder and director of the Toxicologist project. Neuropharmacology and Addiction since 2000. Cell turnover since 2003, co-PI of the Bone Age project. Opioid toxicity since 2002. Wound age estimation since 2010. Postmortem biochemistry since 2002. Traumatic brain injury since 2020. Hypothermia since 2018. Current main supervisor for 1 PhD student, and co-supervisor for 2 PhD students and host for 1 postdoc. Former main supervisor for 6, and co-supervisor for 4 PhD students. Former host for 7 postdocs and 3 visiting researchers. Supervisor for 47 undergraduate or master students carrying out research projects. Opponent at 4 PhD dissertations. Completed reviewer assignments: about 25 annually.

**PhD dissertation:** Druid H. Experimental acute ischemic renal failure and anticoagulation. Thesis. Linköping University, Linköping, Sweden, 1998.

**Publications and citations:** Articles published: 102. Book chapters: 16. Congress presentations: 169. Citations: 9,525. Hirsch index: 38. Average citations per publication: 89.

**Funding, selected:** National Institute on Drug Abuse, NIDA/NIH: PI of an R01 grant, Royal Swedish Academy of Science, Wenner-Gren Foundation, Swedish Medical Research Council, , Swedish National Board of Forensic Medicine, Swedish Society of Medicine, Royal Swedish Academy of Science, The Swedish National Drug Coordinator, Swedish Research Council (6 million USD/10 years, Linné support). Current support by KA Wallenberg foundation (4 million USD/5 years, PI Jonas Frisé) and NIH/NIDA (5 million USD/5 years; PI Elliot Nelson).

**Appointments, selected:** Editor-in-Chief of Journal of Research and Reports in Forensic Medical Science. Member of Editorial Board, Forensic Sci. Int. 2011-2022. Expert consultant of the National Assoc. of Medical Examiner's Opiate Study Panel, 2012. Medical expert at the European Medicinal Agency 2009 and 2013. Equalis expert in histopathology 2022-present. President of the Nordic Conf. of Forensic Medicine, 2015. Board member, Nordic Assoc. of Forensic Medicine.

**Awards:** Pedagogic prizewinner 2005 at the Department of Oncology-Pathology, Karolinska Institute. NIH/NIDA INVEST research fellowship award, 2000.

**Miscellaneous:** Founder and Director of KI Donatum, a core facility for donation of post-mortem tissue for specific research purposes. Former coordinator for forensic medicine in the Swedish national tissue donation project. Director of Toxicolist, a database of postmortem reference levels of pharmaceutical drugs available on the internet for certified institutions. Chief designer of the case management system RattsBASE/Portalen used at all forensic medicine departments in Sweden since 1992. Medical advisor at the Swedish Social Insurance Administration 2002-2009. Medical advisor at the Swedish National Board of Health and Welfare, 2002-present.

**Professional experience:** Medicolegal Autopsies: 6 402. Medicolegal examinations of living subjects: 1 383. Expert witness in court: 153. Scene investigations: 143. Expert reports: 428.

**Home page:** <http://ki.se/en/onkpat/henrik-druids-group>

#### **10 selected publications:**

1. Zilg B, Alkass K, Kronstrand R, Berg S, Druid H. A rapid method for postmortem vitreous chemistry – deadsite analysis. **Biomolecules** 2022; 12:32.
2. Dhanabalan G, le Maître TW, Bogdanovic N, Alkass K, Druid H. Hippocampal granule cell loss in human chronic alcohol abusers. **Neurobiol Dis.** 2018;120:63-75.
3. Le Maitre TW, Dhanabalan G, Bogdanovic N, Alkass K, Druid H. Effects of Alcohol Abuse on Proliferating Cells, Stem/Progenitor Cells and Immature Neurons in the Adult Human Hippocampus. **Neuropsychopharmacology.** 2018;43(4):690-699.
4. Spalding KL, Bernard S, Naslund E, Salehpour M, Possnert G, Appelsved L, Fu KY, Alkass K, Druid H, Thorell A, Rydén M, Arner P. Impact of fat mass and distribution on lipid turnover in human adipose tissue. **Nat Commun.** 2017;8:15253.
5. Zilg B, Bernard S, Alkass K, Berg S, Druid H. A new model for the estimation of time of death from vitreous potassium levels corrected for age and temperature. **Forensic Sci Int.** 2015;254:158-66.
6. Ernst A, Alkass K, Bernard S, Salehpour M, Perl S, Tisdale J, Possnert G, Druid H, Frisen J. Neurogenesis in the striatum of the adult human brain. **Cell.** 2014;156(5):1072-83.
7. Spalding KL, Bergmann O, Alkass K, Bernard S, Salehpour M, Huttner HB, Bostrom E, Westerlund I, Vial C, Buchholz BA, Possnert G, Mash DC, Druid H, Frisen J. Dynamics of hippocampal neurogenesis in adult humans. **Cell.** 2013;153(6):1219-27.
8. Alkass K, Saitoh H, Buchholz BA, Bernard S, Holmlund G, Senn DR, Druid H. Analysis of radiocarbon, stable isotopes and DNA in teeth to facilitate identification of unknown decedents. **PLoS One.** 2013;8(7):e69597.
9. Bergmann O, Bhardwaj RD, Bernard S, Zdunek S, Barnabe-Heider F, Walsh S, Zupicich J, Alkass K, Buchholz BA, Druid H, Jovinge S, Frisé J. Evidence for cardiomyocyte renewal in humans. **Science.** 2009;324(5923):98-102.
10. Spalding KL, Buchholz BA, Bergman LE, Druid H, Frisen J. Forensics: age written in teeth by nuclear tests. **Nature.** 2005;437(7057):333-4.