

## Nominee for the EACPT Lifetime Achievement Award 2017:

*Professor, consultant, DMSc, Kim Brøsen, Denmark*

### Executive summary

Kim Brøsen has been a towering presence within European clinical pharmacology for more than 30 years. Kim Brøsen is internationally recognized as an innovative, pioneering and leading researcher within human drug metabolism and pharmacogenomics. Kim Brøsen has been a strong developer and promoter of clinical pharmacology training and he has tirelessly pursued the implementation of clinical pharmacology as a medical speciality with a recognizable and respected professional identity. Kim Brøsen has an elite publication record and resides deservedly among the Highly Cited Researchers within clinical pharmacology. He is known for his strong strategic competences and his ability to create and nurse national and international networks. Not least, he is known for his inspiration and support to young researchers and Kim Brøsen is genuinely appreciated for his overall academic and social generosity.

### Biography

Kim Brøsen was born in Copenhagen on the 30 July 1954 and graduated from Medical School, University of Copenhagen in 1981. After 4 years of hospital internship, he became a research fellow at Clinical Pharmacology, Odense University (now University of Southern Denmark) in 1985. He effortlessly proceeded through the academic ranks as assistant professor/lecturer (1986) associate professor/senior lecturer (1988) and was appointed to his current position as full professor in clinical pharmacology in 1995 at the age of 41.

Kim Brøsen was a guest researcher from 1988-89 at *Biozentrum* of the University of Basel, Switzerland, and *professeur associé* from 2002-03 at Service de Pharmacologie, Hospital Saint-Antoine, Paris, France

Kim Brøsen received specialist authorization as a clinical pharmacologist in 1997 and was appointed a consultant at Odense University Hospital the same year. In 2000, he was appointed head of research in clinical pharmacology at University of Southern Denmark.

### Professional accomplishments

Kim Brøsen has been a relentless promotor of clinical pharmacology within hospital health care settings. He insists that clinical pharmacology should primarily be practiced with a focus on patient related outcomes and should strive to provide true improvement to health care. Kim Brøsen has been essential to the development of clinical pharmacology as a medical speciality in Denmark and Europe - an effort that he continuously pursues. He has been the driving force/member/president of several local and regional drug committees and has established systematic initiatives to support rational pharmacotherapy at the patient level. Kim Brøsen was one of the architects behind the establishment of the drug information in Denmark (a service that provides invaluable evidence-based guidance to clinicians and health care personnel alike). In 2010 he was the main driving force

behind the establishment of a Pharmacy Bachelor and Master Program, University of Southern Denmark.

In his capacity as head of research for the Department of Clinical Pharmacology at University of Southern Denmark, he has established a vibrant, lively and productive research environment, highly appreciated among colleagues, young researchers, secretaries and laboratory personal alike.

### Awards and services

- Kim Brøsen was awarded the *Ole J. Rafaelsen* prize in 1991 and the Norwegian *Poulsen* prize in 2005.
- Kim Brøsen has been the editor-in chief of *Basic & Clinical Pharmacology and Toxicology* since 2003 (formerly *Pharmacology & Toxicology*).
- Kim Brøsen has been the editor of the major clinical pharmacology reference book in Denmark, [*Basic and Clinical Pharmacology*], and principal editor for its latest two editions.
- Kim Brøsen was editor of "A Guide to Training in Clinical Pharmacology in Europe" (1999) and he co-authored the position paper "Clinical Pharmacology in Health Care, Teaching and Research" (2012) published by WHO, CIOMS and IUPHAR.
- Kim Brøsen has served as board member, secretary and president of the Danish Society of Clinical Pharmacology.
- Kim Brøsen was a long-standing member of the EACPT Board (1995-2015), including a position as vice-president (1999-2003).
- Kim Brøsen served as secretary for the clinical division of IUPHAR (2000-08) of which he was a board member from 2006-14.
- Kim Brøsen was president of the 5th EACPT Congress (2001) in Odense, Denmark, and the 1st IUPHAR World Congress (2010), Copenhagen, Denmark.
- Kim Brøsen founded and led the *Danish Clinical Intervention Research Academy* from 2004-08.

### Research

Kim Brøsen's research has always been characterized by a deliberate and visible clinical approach in accordance with his position that clinical pharmacology as a medical speciality must strive to improve and support the medical treatment of patients. Kim Brøsen was among the true pioneers of pharmacogenomic research with numerous highly cited papers on the CYP2D6 polymorphism. Studies on imipramine metabolism and CYP2D6 polymorphism formed the basis of Kim Brøsen's doctoral thesis in 1988. These studies resulted in one of his most important original discoveries that paroxetine is a strong in vivo inhibitor of CYP2D6 activity in humans. Kim Brøsen subsequently

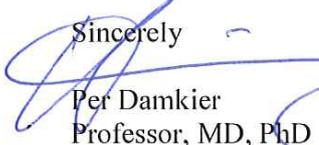
conducted a number of studies on the clinical relevance of CYP2D6 polymorphism to treatment with tricyclic antidepressants, especially imipramine and SSRIs, and opioids, especially codeine and tramadol.

In recent years, Kim Brøsen has been increasingly involved in the role of drug transporters in human pharmacokinetics and -genomics. He is continuously providing substantial contributions to our understanding of the pharmacogenetics and -genomics of metformin, one of the most commonly prescribed antidiabetic drugs. Kim Brøsen has published more than 300 scientific papers as well as authored numerous national and international book chapters. He has been cited >10,000 times in the medical literature and has a CSI *Hirsch* Index of 57. Kim Brøsen has been the principal supervisor for more than 20 PhD students.

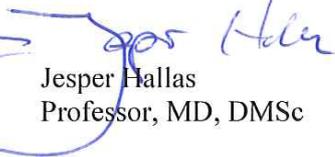
## Conclusion

Kim Brøsen has been one of the most important contributors to the development of clinical pharmacology in Europe over the last 30 years. He has left clear and invaluable imprints on the practice, training, education, research and position of our discipline and professional trade. We believe the merits of Kim Brøsen naturally qualify him as a worthy recipient of the 2017 EACPT Lifetime Achievement Award.

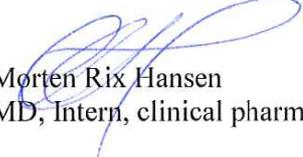
Sincerely



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Professor, MD, PhD



Jesper Hallas  
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&  
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