

### PERSONAL INFORMATION **Ingrid Wang**

#### WORK EXPERIENCE

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- February 2019- Present **Norwegian CHMP Member**  
European Medicines Agency (Netherlands)
- April 2017-July 2022 **Observer ONCWP (Oncology Working Party)**  
European Medicines Agency (Netherlands)
- April 2016-February 2019 **Norwegian delegate COMP (Committee for Orphan Medicinal Products)**  
European Medicines Agency (United Kingdom)
- August 2013- Present **Senior Medical Consultant 2016-present, Senior Adviser 2013-2016**  
Norwegian Medicines Agency (Norway)  
Clinical assessment, mainly in oncology.
- June 2015-January 2020 **Urologist**  
Dept. of Urology, Akershus University Hospital (Norway)  
Part-time work
- March 2013-July 2013 **Urologist**  
Dept. of Urology, Oslo University Hospital, Aker (Norway)
- September 2008-December 2012 **Resident in Urology**  
Dept. of Urology, Oslo University Hospital, Aker (Norway)  
Certified specialist in Urology 2013
- March 2003-August 2007 **Resident in General Surgery**  
Dept. of Surgery and Department of Urology, Oslo University Hospital, Aker and Ullevål (Norway)  
Certified specialist in General Surgery 2012
- June 2000-February 2003 **Resident in General Surgery**  
Dept. of Surgery, Kongsberg Hospital (Norway)
- January 1998-February 2000 **Internship in surgery/internal medicine and primary health care**  
Dept of Surgery/Medicine and Stange primary health care centre (Norway)  
Six months each at the following places:  
Dept. of Surgery, Lund University Hospital, Lund, Sweden. Dept. of Internal Medicine, Haukeland University Hospital, Bergen, Norway and Stange Primary Health Care Centre, Stange, Norway

#### EDUCATION AND TRAINING

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- August 1992-February 1999 **Ph.D in Oncology**  
Lund University Medical Laser Centre: Dept. of Oncology, Lund University Hospital and Atomic Physics, Dept. of Physics, Lund University, Lund, Sweden (Sweden)
- 1988- 1997 **Cand. Med.**  
Medical School, University of Bergen, Bergen, Norway (Norway)

**Expertise** Oncology, urology, general surgery, rare diseases

**Publications** Peer-reviewed papers

1. L. Liu, K. Svanberg, I. Wang, U. Stenram, S. Andersson-Engels and S. Svanberg, Liver twin tumours: A new experimental hepatic tumour model in the investigation of various treatment strategies, *Med. Sci. Res.* 21, 703-706 (1993).
2. D.L. Liu, I. Wang, S. Andersson-Engels, C.H. Hakansson, U. Stenram and K. Svanberg, Intra-operative laser-induced photodynamic therapy in the treatment of experimental hepatic tumours, *Eur. J. Gastroenterol. Hepatol.* 7, 1073-1080 (1995).
3. K. Svanberg, D.L. Liu, I. Wang, S. Andersson-Engels, U. Stenram and S. Svanberg, Photodynamic therapy using intravenous -aminolaevulinic acid-induced protoporphyrin IX sensitisation in experimental hepatic tumours in rats, *Br. J. Cancer* 74, 1526-1533 (1996).
4. I. Wang, S. Andersson-Engels, G.E. Nilsson, K. Wardell and K. Svanberg, Superficial blood flow following photodynamic therapy of malignant skin tumours measured by laser Doppler perfusion imaging, *Br. J. Dermatol.* 136, 184-189 (1997).
5. H. Heyerdahl, I. Wang, D.L. Liu, R. Berg, S. Andersson-Engels, Q. Peng, J. Moan, S. Svanberg and K. Svanberg, Pharmacokinetic studies on 5-aminolevulinic acid-induced protoporphyrin IX accumulation in tumours and normal tissues, *Cancer Lett.* 112, 225-231 (1997).
6. D.L. Liu, K. Svanberg, I. Wang, S. Andersson-Engels and S. Svanberg, Laser Doppler perfusion imaging: New technique for determination of perfusion and reperfusion of splanchnic organs and tumor tissue, *Lasers Surg. Med.* 20, 473-479 (1997).
7. K. Svanberg, I. Wang, S. Colleen, I. Idvall, C. Ingvar, R. Rydell, D. Jocham, H. Diddens, S. Bown, G. Gregory, S. Montan, S. Andersson-Engels and S. Svanberg, Clinical multi-colour fluorescence imaging of malignant tumours - initial experience, *Acta Radiol.* 38, 2-9 (1998).
8. I. Wang, B. Bauer, S. Andersson-Engels, S. Svanberg and K. Svanberg, Photodynamic therapy utilising topical -aminolevulinic acid in non-melanoma skin malignancies of the eyelid and the periocular skin, *Acta Ophthalmol. Scand.* 77, 182-188 (1999).
9. I. Wang, L. Pais Clemente, R.M.G. Pratas, E. Cardoso, M. Pais Clemente, S. Montan, S. Svanberg and K. Svanberg, Fluorescence diagnostics and kinetic studies in the head and neck region utilising low-dose -aminolevulinic acid sensitisation, *Cancer Lett.* 135, 11-19 (1999).
10. C. af Klinteberg, A.M.K. Enejder, I. Wang, S. Andersson-Engels, S. Svanberg and K. Svanberg, Kinetic fluorescence studies of -aminolaevulinic acid-induced protoporphyrin IX accumulation in basal cell carcinomas, *J. Photochem. Photobiol. B: Biol.* 49, 120-128 (1999).
11. S. Andersson-Engels, G. Canti, R. Cubeddu, C. Eker, C. af Klinteberg, A. Pifferi, K. Svanberg, S. Svanberg, P. Taroni, G. Valentini, I. Wang, Preliminary evaluation of two fluorescence imaging methods for the detection and delineation of basal cell carcinomas of the skin, *Lasers Surg. Med.* 26, 76-82 (2000).
12. A.M.K. Enejder, C. af Klinteberg, I. Wang, S. Andersson-Engels, N. Bendsoe, S. Svanberg and K. Svanberg, Blood perfusion studies on basal cell carcinomas in conjunction with photodynamic therapy and cryotherapy employing laser-Doppler perfusion imaging, *Acta Derm. Venereol.* 80, 19-23 (2000).
13. I. Wang, N. Bendsoe, C. af Klinteberg, A.M.K. Enejder, S. Andersson-Engels, S. Svanberg and K. Svanberg, Photodynamic therapy versus cryosurgery of basal cell carcinomas; results of a Phase III clinical trial, *Br. J. Dermatol.* 144(4), 832-40 (2000).

Non-peer reviewed papers

14. I. Wang, K. Svanberg, S. Andersson-Engels, R. Berg and S. Svanberg, Photodynamic therapy of non-melanoma skin malignancies with topical -amino levulinic acid: diagnostic measurements, in 5th International Photodynamic Association Biennial Meeting, ed. D.A. Cortese, *Proc. SPIE* vol. 2371, 243-252 (1994).
15. I. Wang, S. Andersson-Engels, I. Idvall, C. Ingvar and K. Svanberg, In vitro laser-induced fluorescence studies of breast tumours following low-dose injection of Photofrin, in *Advances in Laser and Light Spectroscopy to Diagnose Cancer and Other Diseases*, ed. R.R. Alfano, *Proc. SPIE* vol. 2135, 139-146 (1994).
16. H. Messmann, P. Mlkvy, S. Montan, I. Wang, A. Nilsson, K. Svanberg, S. Svanberg, A. MacRobert and S. Bown, Endoscopic fluorescence of gastrointestinal neoplasia after sensitisation

with 5-amino laevulinic acid (ALA) or Photofrin, in 5th International Photodynamic Association Biennial Meeting, ed. D.A. Cortese, Proc. SPIE vol. 2371, 506-509 (1994).

17. I. Rokahr, S. Andersson-Engels, S. Svanberg, M.A. D'Hallewin, L. Baert, I. Wang and K. Svanberg, Optical detection of human urinary bladder carcinoma utilising tissue autofluorescence and protoporphyrin IX-induced fluorescence following low-dose ALA instillation, in Optical Biopsies, eds. R. Cubeddu, S.R. Mordon and K. Svanberg, Proc. SPIE vol. 2627, 2-12 (1995).

18. C. af Klinteberg, C. Lindquist, I. Wang-Nordman, A. Vaitkuviene and K. Svanberg, Laser-induced fluorescence studies of premalignant and benign lesions in the female genital tract, in Optical Biopsies and Microscopic Techniques II, eds. I.J. Bigio, K. Svanberg, H. Schneckenburger, J. Slavik and P.M. Viallet, Proc. SPIE vol. 3197, 34-40 (1997).

19. R. Cubeddu, A. Pifferi, P. Taroni, G. Valentini, G. Canti, C. Lindquist, S. Andersson-Engels, S. Svanberg, I. Wang and K. Svanberg, Multispectral and lifetime imaging for the detection of skin tumors, in Biomedical Optical Spectroscopy and Diagnostics / Therapeutic Laser Applications, eds. E.M. Sevick-Muraca, J.A. Izatt and M.N. Ediger, Proc. OSA Trends in Optics and Photonics vol. 22, 106-109 (1998).

#### Projects

#### Memberships

The Norwegian Medical Association

The Norwegian Association of Urology

#### Other Relevant Information