Name/Surname	Nanny WERMUTH, Professor
Affiliation	Department of Mathematics, Division of Mathematical Statistics, Chalmers University of Technology & University of Gothenburg, Gothenburg, Sweden
IARC Host Group	Biostatistics Group (BST), IARC, Dr G. Byrnes; also collaborating with ENV (Dr Schuz) and GEP (Dr Brennan)
Speciality	Multivariate statistical models and their properties, especially graphical Markov models, as well as their applications in the life sciences and in the natural sciences
Academic Degrees	1967 First degree in Economics (Diplom-Volkswirtin), University of Munich 1972 Degree in Statistics (Doctor of Philosophy), Harvard University 1977 Degree in Medical Statistics (Professor), University of Mainz
Selected Publications	• Marchetti, G.M. & Wermuth, N. (2009). Matrix representations and independencies in directed acyclic graphs. Annals of Statistics, 37, 961-978. • Wermuth, N., Marchetti, G.M. & Cox, D.R. (2009). Triangular systems for symmetric binary variables. Electronic Journal of Statistics, 3, 932-955. • Wiedenbeck, M. & Wermuth, N. (2010). Changing parameters by partial mappings. Statistica Sinica. 20, 823-836. • Wermuth, N. (2011). Probability distributions with summary graph structure. Bernoulli, 17, 845-879. • Wermuth, N. & Sadeghi, K. (2011). Sequences of regressions and their independences. Test, Invited discussion paper, to appear.
Programme at IARC	New approaches to detecting mediating, moderating or confounding effects applied to epidemiological studies on cancer, especially to data available at IARC
Short background	1972–1978 Research Assistant in Statistics; University of Dortmund, University of Mainz since 1978 Professor of Statistics and of Methods in Psychology, University of Mainz 1997–2000 Head of Research and Development, Center of Survey Research, Mannheim since 2003 Professor of Statistics, Department of Mathematical Sciences at Chalmers Technical University and at the University of Gothenburg
Department webpage:	http://www.chalmers.se/math/EN/
Personal webpage:	http://www.math.chalmers.se/~wermuth