

Summary of CV

Lars Folke Olsen. Professor of Biochemistry at University of Southern Denmark, Campusvej 55, DK5230 Odense M. Tel +45 6550 2483, email lfo@bmb.sdu.dk. Professor Olsen's special interests include use of non-linear dynamic methods to study temporal behaviour in biological systems. He has published more than 100 papers in international journals, of which more than 50 are on chaos and chaotic dynamics in biological systems. His paper "Chaos in an enzyme reaction" published in Nature (Vol. 267, pp 177-178) in 1977 was the first paper evidencing chaos in an experimental system. Current research include studies of sugar metabolism in yeast, with special emphasis on oscillations in glycolysis, development of optical nanosensors for time-resolved measurements of metabolites in intact cells and studies of the coupling of the physical state of intracellular water to metabolic oscillations. He has been a visiting professor at the University of Arizona (USA, for two periods: 1987 and 1992-93) and at the University of Heidelberg (Germany, 2001-2002). In the period 1993-1998 he served as an Adjunct Research Professor at the University of Arizona. He has supervised 17 MSc.students, 12 PhD students and 10 postdocs. Professor Olsen is member of the Danish Academy of Natural Sciences (Danmarks Naturvidenskabelige Akademi; <http://www.danaak.dk>).