

**ACTA STEREOLOGICA**

## CONTENTS

Page

SPECIAL ISSUE ON NEUROSTEREOLOGY (*B Pakkenberg, ed.*) ..... 119

FOREWORD ..... 121

**Age changes in number of pigmented neurons in the monkey locus coeruleus, H. Pakkenberg, R.S. Burns, B. Pakkenberg**..... 123**A "recipe" for estimating neuron number in the mammalian spinal cord using modern stereological techniques, R. Bjugn, M. Hagen, S. Sadeghi, J.R. Nyengaard** ..... 131**Comparison of compartment volumes estimated from MR images and physical sections of formalin fixed cerebral hemispheres, C.E. Mackay, B. Pakkenberg, N. Roberts** ..... 149**Anatomical asymmetries in the human hippocampal formation, M.J. Sá, A. Pereira, M.M. Paula-Barbosa, M.D. Madeira** ..... 161**Total number of hippocampal neurons in AIDS patients and controls, L. Korbo, N. Bogdanovic**..... 177**An efficient method to estimate cell number and volume in multiple dorsal root ganglia, A. Lagares, C. Avendaño** ..... 185**The use of stereological methods in neuroscience: what are we learning? R.M.A. Napper** ..... 197**On numerical estimates from histological material: the question of calibration, R.E. Coggeshall** ..... 219

MISCELLANEOUS ..... 225

**Characterisation of diffusion paths of water in concrete by color image analysis, A-S. Dequiedt, C. Redon, J.-L. Chermant, L. Chermant, M. Coster**..... 227**Analysis of graphite particles in different nodular cast irons, J. Grum, R. Šturm**..... 239**3D spatial time structure simulations by reaction-diffusion models, L. Decker, D. Jeulin** ..... 247**Extraction of semantic 3D models of human faces from stereoscopic image sequences, A. Redert, B. Kaptein, M. Reinders, I. van den Eelaart, E. Hendriks**..... 255**Automatic segmentation of optical density images, J. Hagoort, K. Salam, J.M. Ruijter** ..... 265**General univariate shape descriptors, P. Ghosh** ..... 275

## INSTRUCTIONS TO AUTHORS

ACTA STEREOLOGICA	VOL 18	NO 2	PP 119-282	LJUBLJANA	JULY 1999
-------------------	--------	------	------------	-----------	-----------