

Ph.D.-course:

STEREOLOGY

University of Copenhagen
Panum Institute, Denmark, February 24 – 28, 2014

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| Monday 24 10.00 - 10.45 10.45 - 11.00 11.00 - 11.45 11.45 - 12.45 12.45 - 13.45 13.45 - 14.30 14.30 - 15.30 15.30 - 16.00 16.00 - 16.45 16.45 - 17.45 18.30 - ? | Lecture: Definition of probes, sampling and basic statistics Coffee Lecture: Volume estimation, Cavalieri estimator Exercise: Volume estimation Lunch Lecture: The fractionator principle (systematic sampling) Exercise: The fractionator Coffee Lecture: The disector, counting and sampling in 3D Exercise: Number estimation Get-together-dinner (Café Sebastopol. Sankt Hans Torv, 2200 københavn N) | JRN KADP JBA JRN JBA KADP KN + JOL |
| Tuesday 25 09.00 - 09.45 09.45 - 10.45 10.45 - 11.15 11.15 - 12.00 12.00 - 13.00 13.00 - 14.00 14.00 - 14.45 14.45 - 15.00 15.00 - 16.00 16.00 - 16.45 | Lecture: Length and Surface, IUR Exercise: Length estimation Coffee Lecture: Estimation via ratios, multilevel sampling design Lunch Lecture: How many animals, blocks, sections? Lecture: More disector sampling, including connectivity Coffee Exercise: Connectivity Lecture: Tissue deformation | KADP KN + JOL JRN JRN JRN JBA KADP |
| Wednesday 26 09.00 - 09.30 09.30 - 11.00 11.00 - 11.15 11.15 - 12.00 12.00 - 12.25 12.25 - 13.30 13.30 - 14.15 14.15 - 15.15 15.15 - 15.30 15.30 - 16.15 | Lecture: Vertical sections Exercise: Surface from vertical sections – bananametry Coffee Exercise: Length from vertical projection – roots Lecture: Slicing, sectioning, tools and gadgets Lunch Lecture: Sampling and Sizing of particles Exercise: The nucleator Coffee Exercise: Point sampled intercept | KADP JBA AR KADP JRN AR JBA |
| Thursday 27 9.00 - 9.45 9.45 - 10.00 10.00 - 10.45 10.45 - 11.30 11.30 - 12.30 12.30 - 13.15 13.15 - 14.00 14.15 - 14.30 14.30 - 15.15 15.15 - 16.00 | Lecture: Slide scanner stereology Coffee Lecture: Confocal stereology Lecture: Electron microscopy and stereology Lunch Lecture: Combined image analysis and stereology Lecture: Stereology and MR Coffee Lecture: Stereology in the clinic Workshop | JRN JRN JRN KADP JRN KN KN |
| Friday 28 9.00 - 14.00 Coffee and lunch sometime in between | Demonstration of computer-assisted stereology and workshop | JBA + MCA |

Participants please bring: a calculator with square root function, a pair of scissors, a sharp kitchen paring knife and a metric ruler.

FACULTY OF TEACHERS

STEREOLOGY COURSE

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