

Content-Aware Image Restoration (CARE) Workshop 2021

19-21 May | h 9:00 - 18:00 CET

19 May

09:00-10:00

Welcome and Introduction

10:00-11:00

Lecture by Florian Jug, Head of HT Image
Analysis Facility, Milan, IT
CARE methods (incl. PN2V)

11:00-12:00

Hands-on: computer setup

12:00-14:00

Lunch break

14:00-16:00

Tutorials: supervised CARE, Noise2Noise,
Noise2Void

1) 16:00-16:30 2) 16:30-17:00

1) Lecture by Tim-Oliver Buchholz, MPI Dresden, DE
cryoCARE, image restoration for cryo-tomography
2) Lecture by Mangal Prakash, MPI Dresden, DE
Diversity Noising in imaging artefacts

17:00-18:00

Hands-on: continue tutorials or work by yourself

20 May

09:00-09:30

Discussion round with trainers

09:30-11:00

Show your data & define your project

11:00-12:00

Tutorials: PN2V and ZeroCostDL4Mic

12:00-14:00

Lunch break

14:00-15:00

Keynote lecture by Anna Kreshuk, EMBL
Heidelberg, DE
*Two very different applications of deep
learning in microscopy*

15:00-17:30

Hands-on: prepare project on your
preferred data

17:30-18:00

Lecture by Florian Jug, Head of HT Image
Analysis Facility, Milan, IT
Deep Learning, status quo & future methods

21 May

09:00-10:00

Discussion round with trainers

10:00-11:00

Your hands-on project

11:00-12:00

Hands-on: work on your
own project(s)

12:00-14:00

Lunch break

14:00-15:00

Keynote lecture by Jan Funke,
Janelia Research Campus, USA
*Hidden signals that you didn't know
were in your data*

15:00-16:30

Hands-on: work on your
own project(s)

16:30-18:00

Final Presentations by participants