

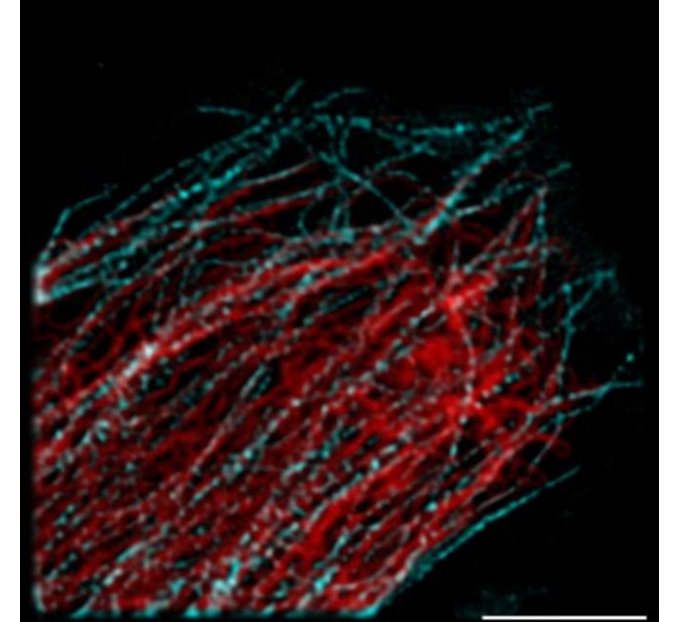
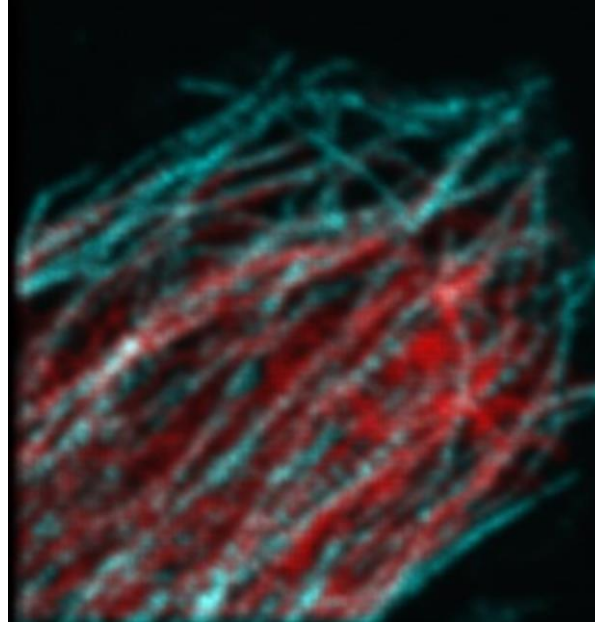
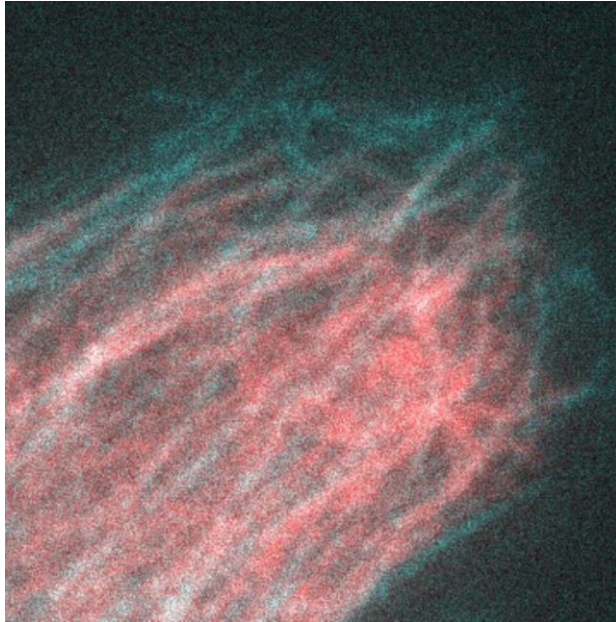
LiveCodim Images and Descriptions 2024

AB Schroeder

C Perron Cane

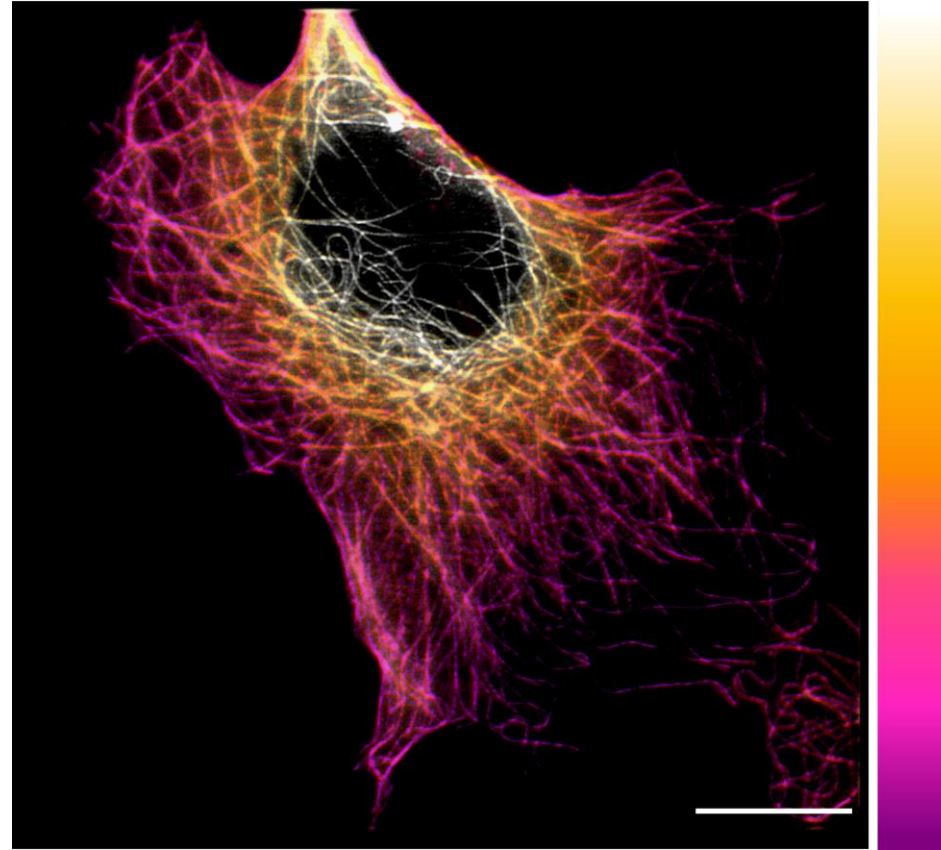
February 2024

Human umbilical vein endothelial cells (huVEC) -fixed



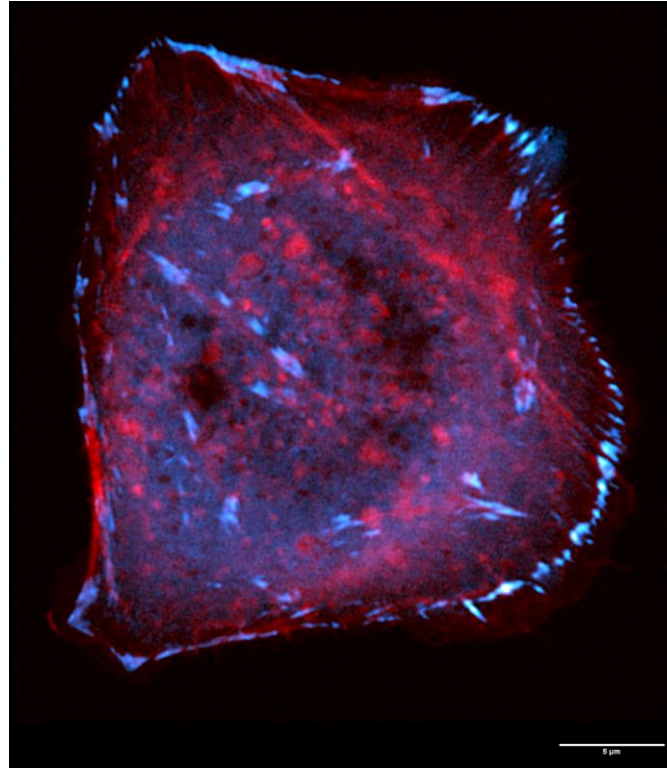
- Left = widefield, Center = unprocessed CODIM scan, “pseudo-confocal,” Right= CODIM processed result. Scale bar = 5 μm .
- Cyan = Microtubules, ex= 488 nm.
- Red = Vimentin, ex= 561 nm
- Provided by: Claire LeClech, Ecole Polytechnique-Palaiseau

GattaCells 4C Human fibroblast – Microtubules - fixed



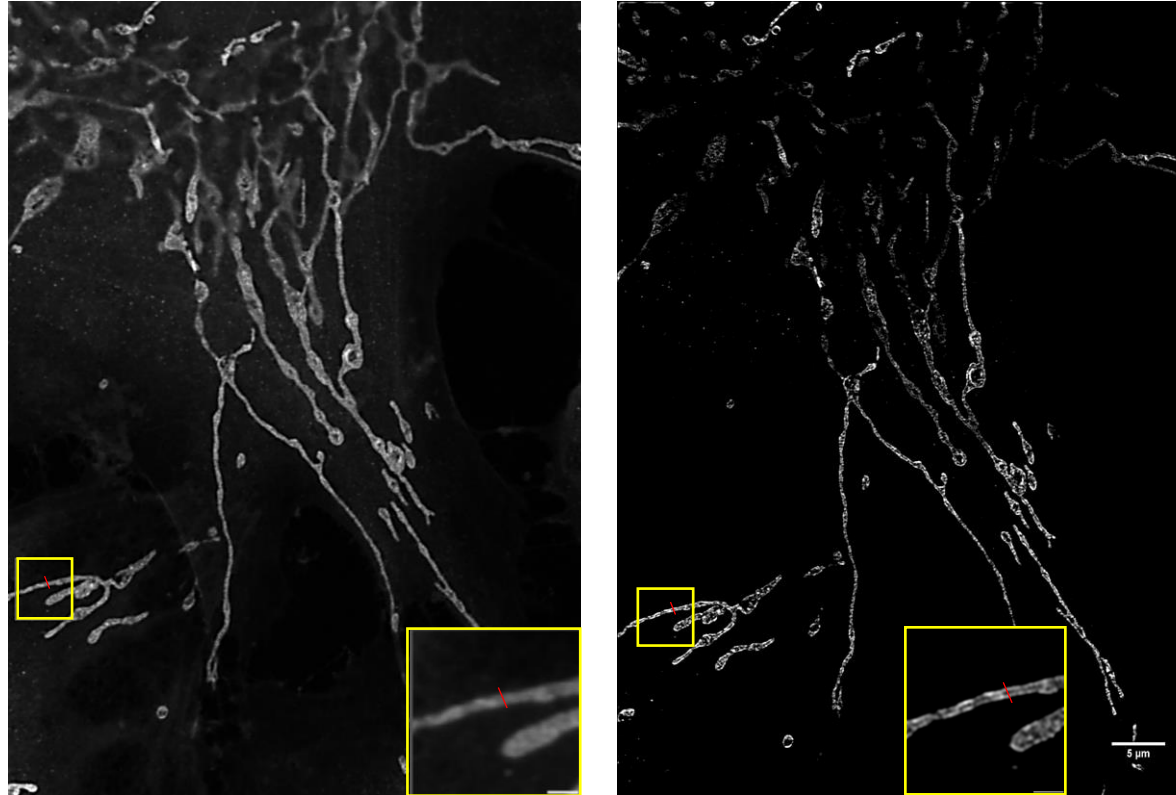
- Max intensity projection of z-stack of microtubule network for a full cell, 1.6 microns thick. Purple= deep, white= superficial. Scale bar = 5 μm
- Labeled with anti-tubulin AF555, ex. 561 nm
- Purchased from GattaQuant

MDCK Cell - living



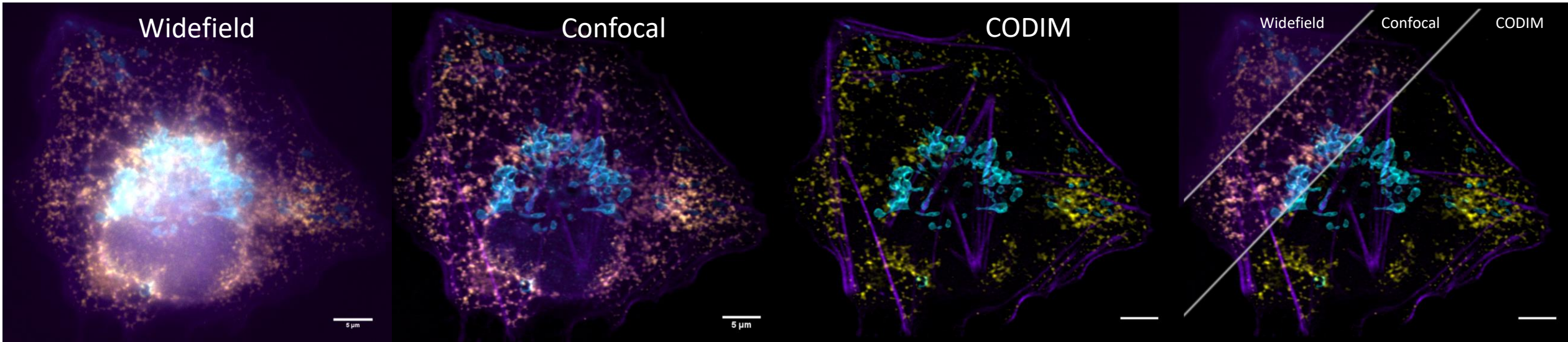
- Blue= Vinculin (focal adhesion), ex.= 488 nm, Red= Actin, ex. = 561 nm. Scale bar= 5 μ m.
- Sample provided by Tomas Grousl – Institute of Microbiology of the CAS, Prague and the Institute of Molecular Genetics, Prague.

HBMEC Cells – Mitochondria – fixed



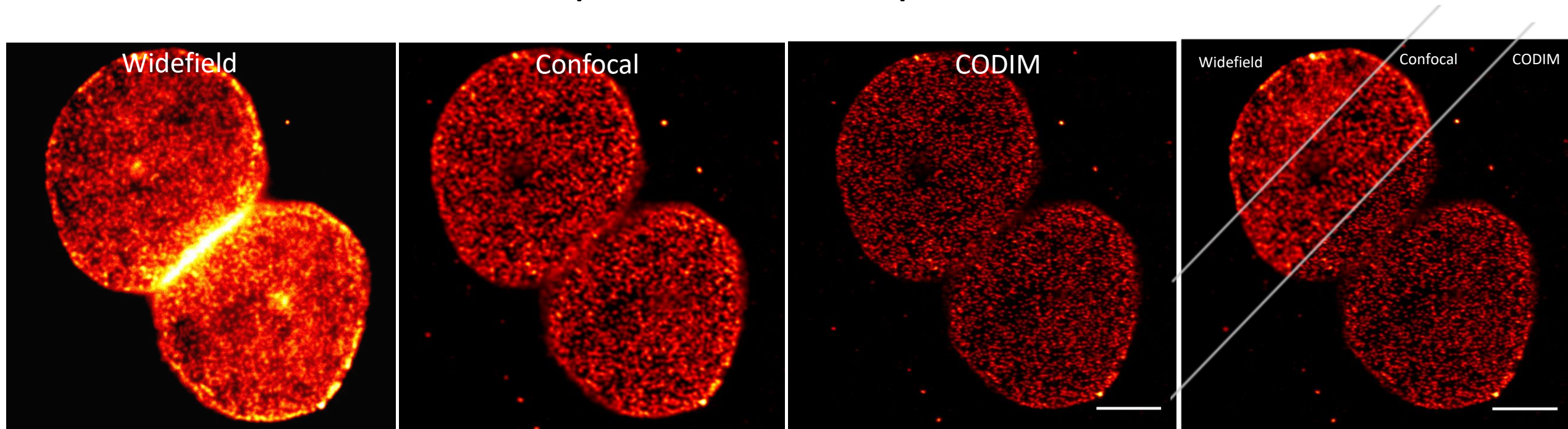
- Anti-TOMM22 AF488 outer mitochondrial membrane. Ex= 488nm. Scale bar= 5 μ m for the large images, 1 μ m for the small inserts
- Left= confocal image vs. Right = CODIM image. The inserts show 100 nm resolution in the CODIM image across the red line.
- Sample provided courtesy of Ana Ona – CNB Madrid, Spain.

HBMEC Cells - fixed



- Left: Widefield, Left-center: Confocal, Right-center: CODIM, Right: Merge. Scale bars= 5 μm
- Cyan= Microtubules, anti-TOMM22-AF488, ex. 488nm; Purple= Actin, phalloidin-TRITC ex. 561 nm; Yellow= Endoplasmic reticulum, anti-PDI-AF647 ex. 640 nm
- Sample provided courtesy of Ana Ona – CNB Madrid

U2OS Cells –Nup96 nucleopore—fixed



- Anti-Nup96 AF555. ex=561 nm. Left= Widefield, Left-center= Confocal, Right-center= CODIM, Right= Merge. Scale bar= 5um
- Purchased from GATTA-Quant