

第9回JKiC イメージングセミナー

Molecular Instruments

by scientists for scientists

Multiplexed Quantitative RNA Imaging with HCR

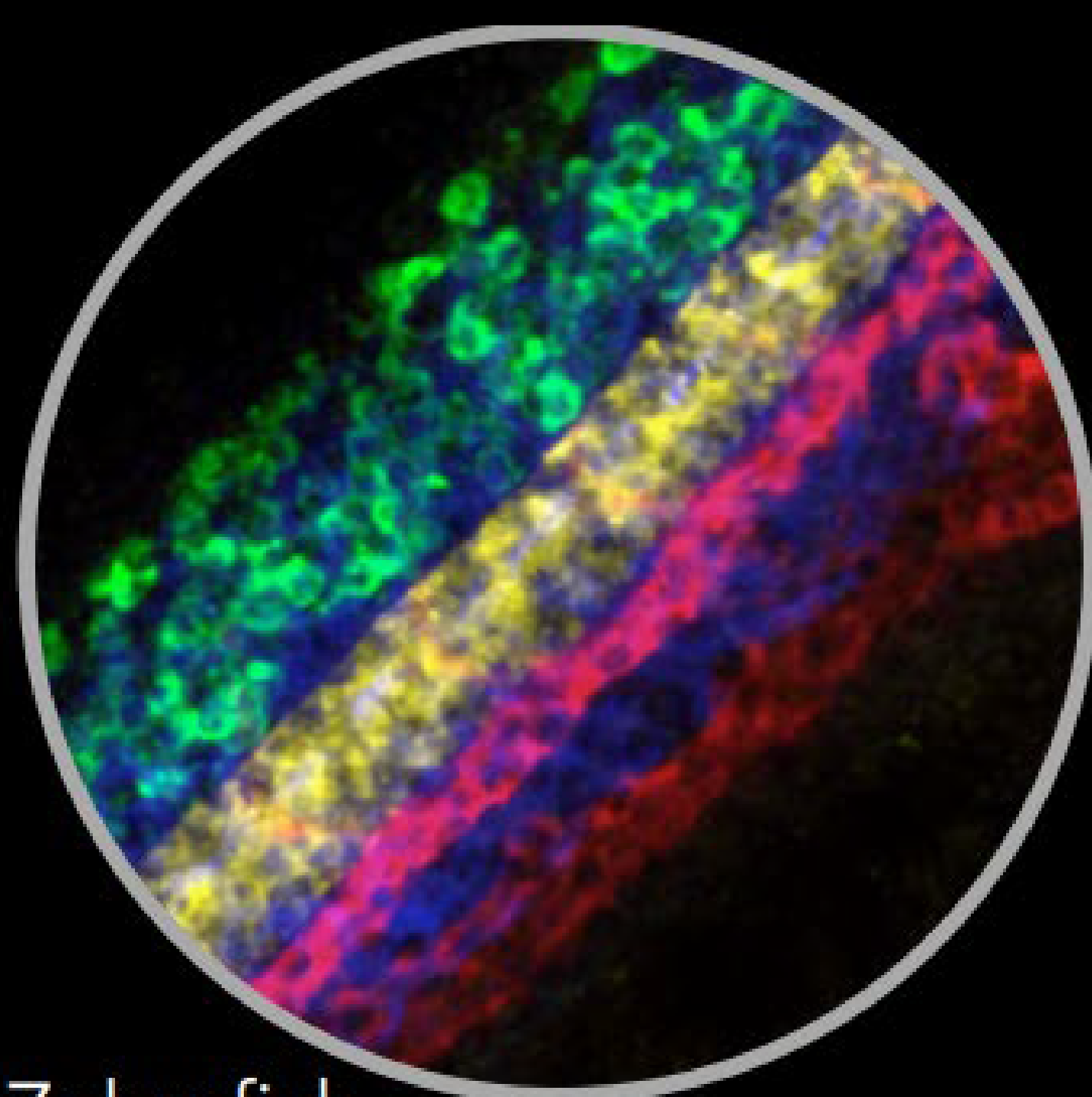
Harry M.T. Choi, Ph.D.

(Host: Koichi Matsuo)

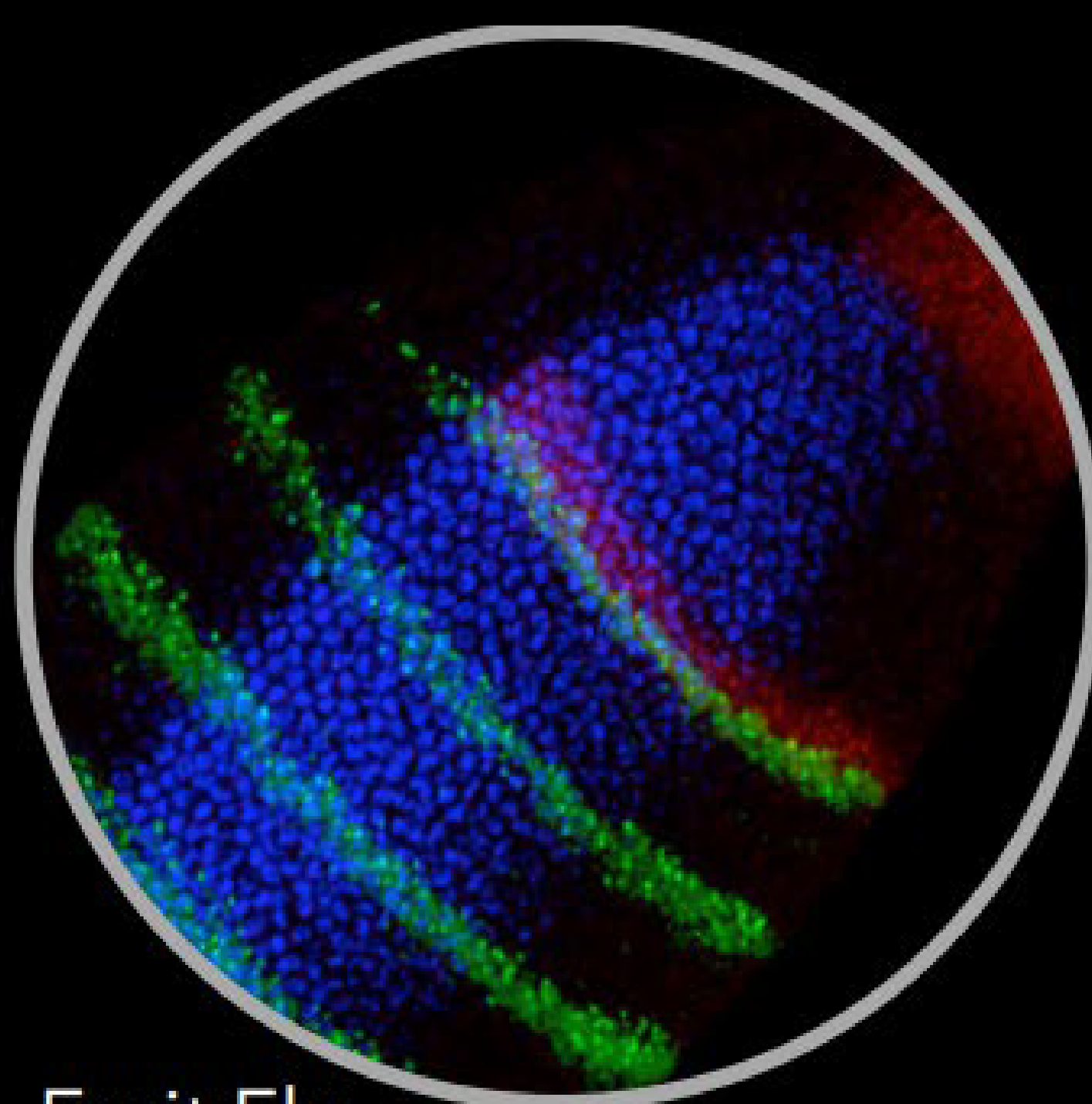
Friday, September 27th, 2019 18:30 – 19:30

1F Conference Room

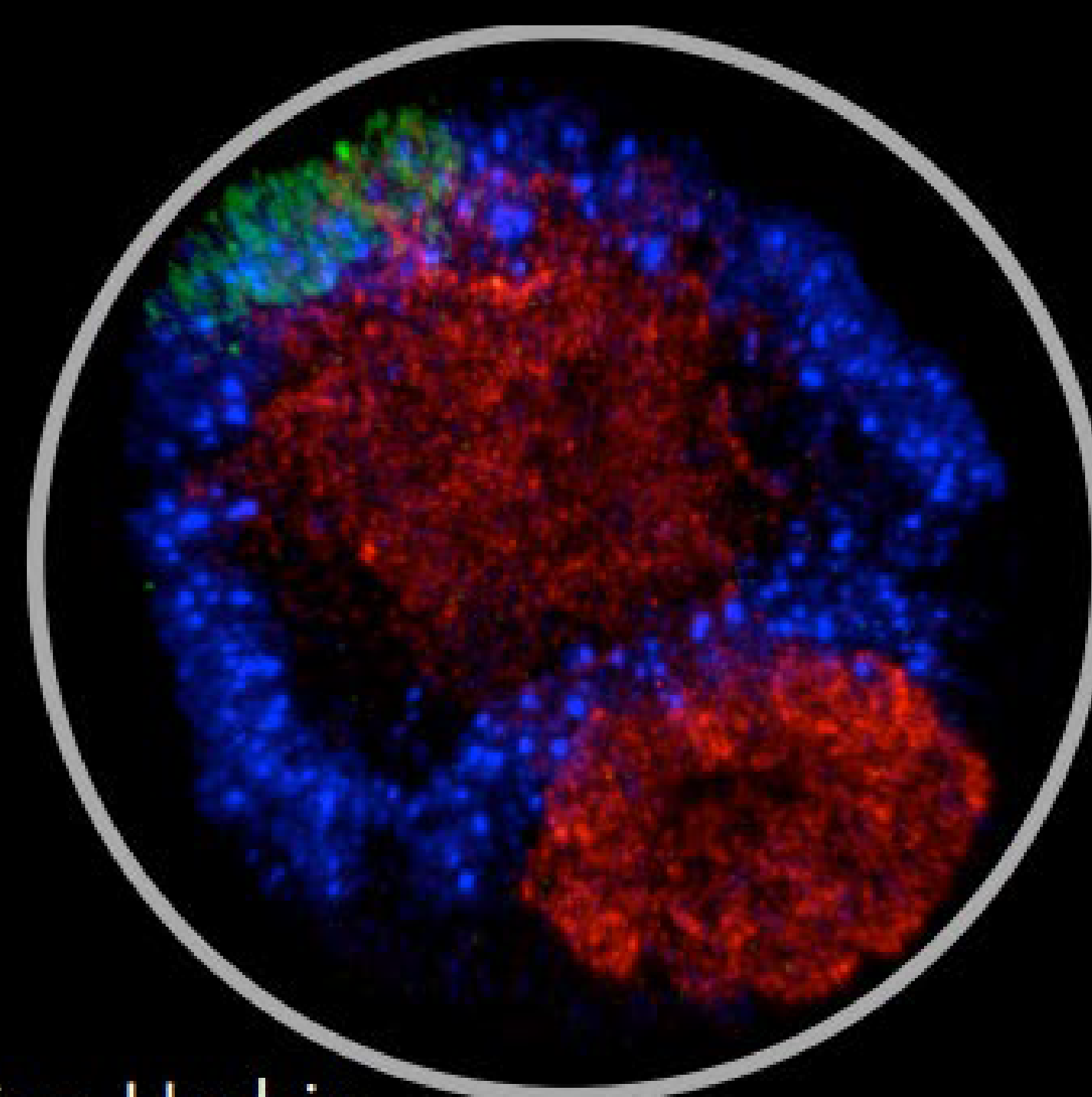
JSR - Keio University Medical and Chemical Innovation Center (JKiC)



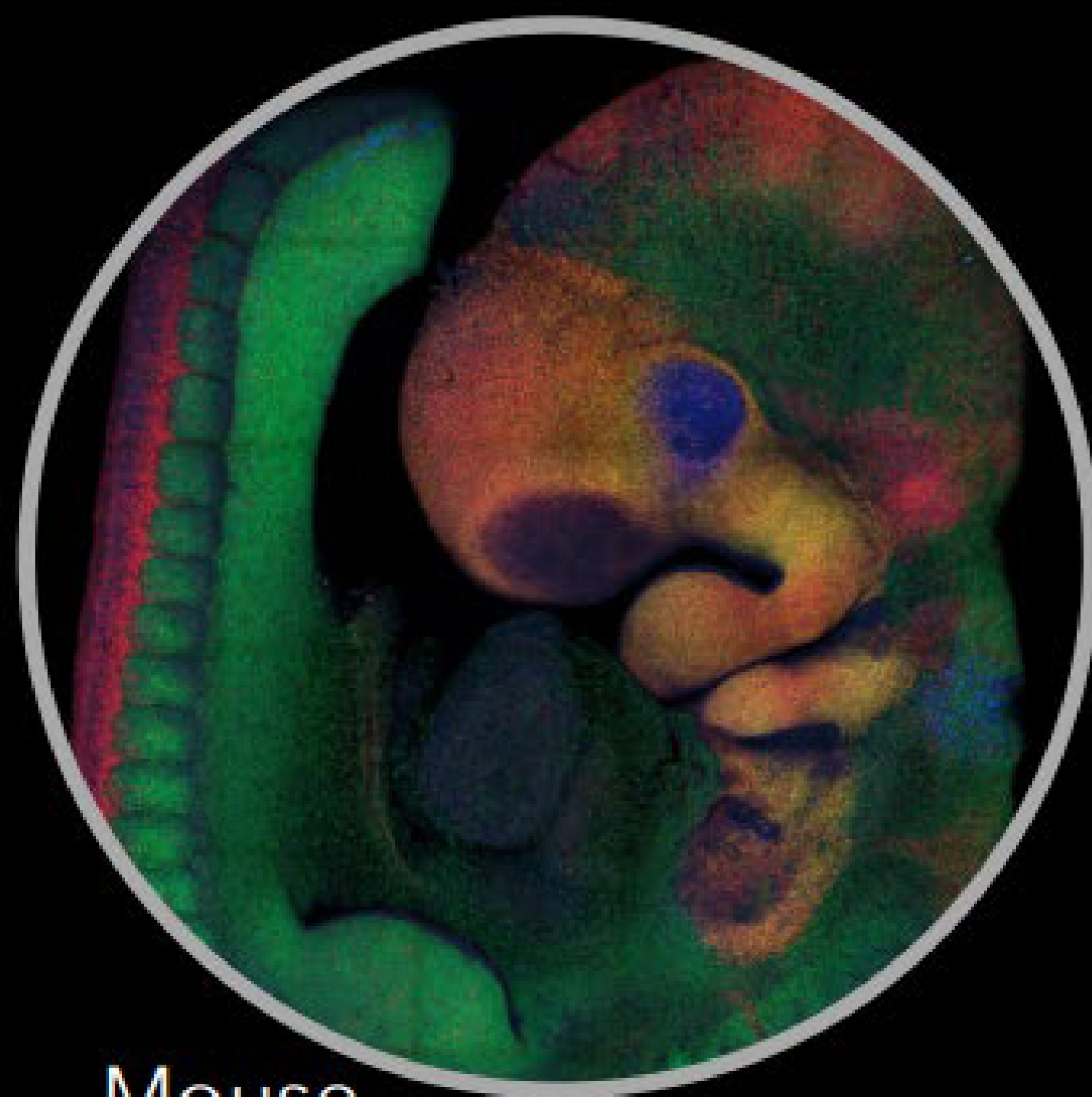
Zebrafish



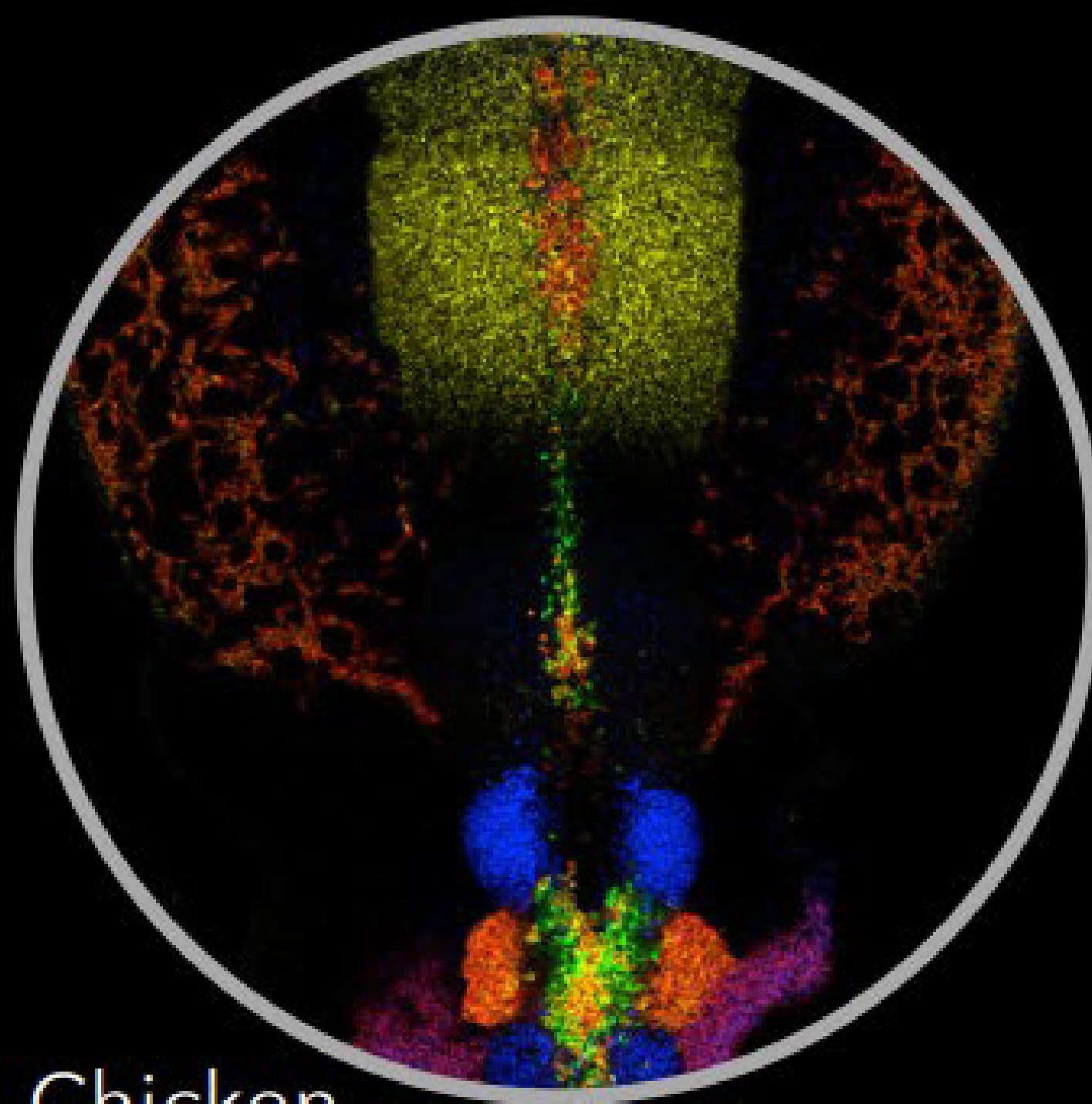
Fruit Fly



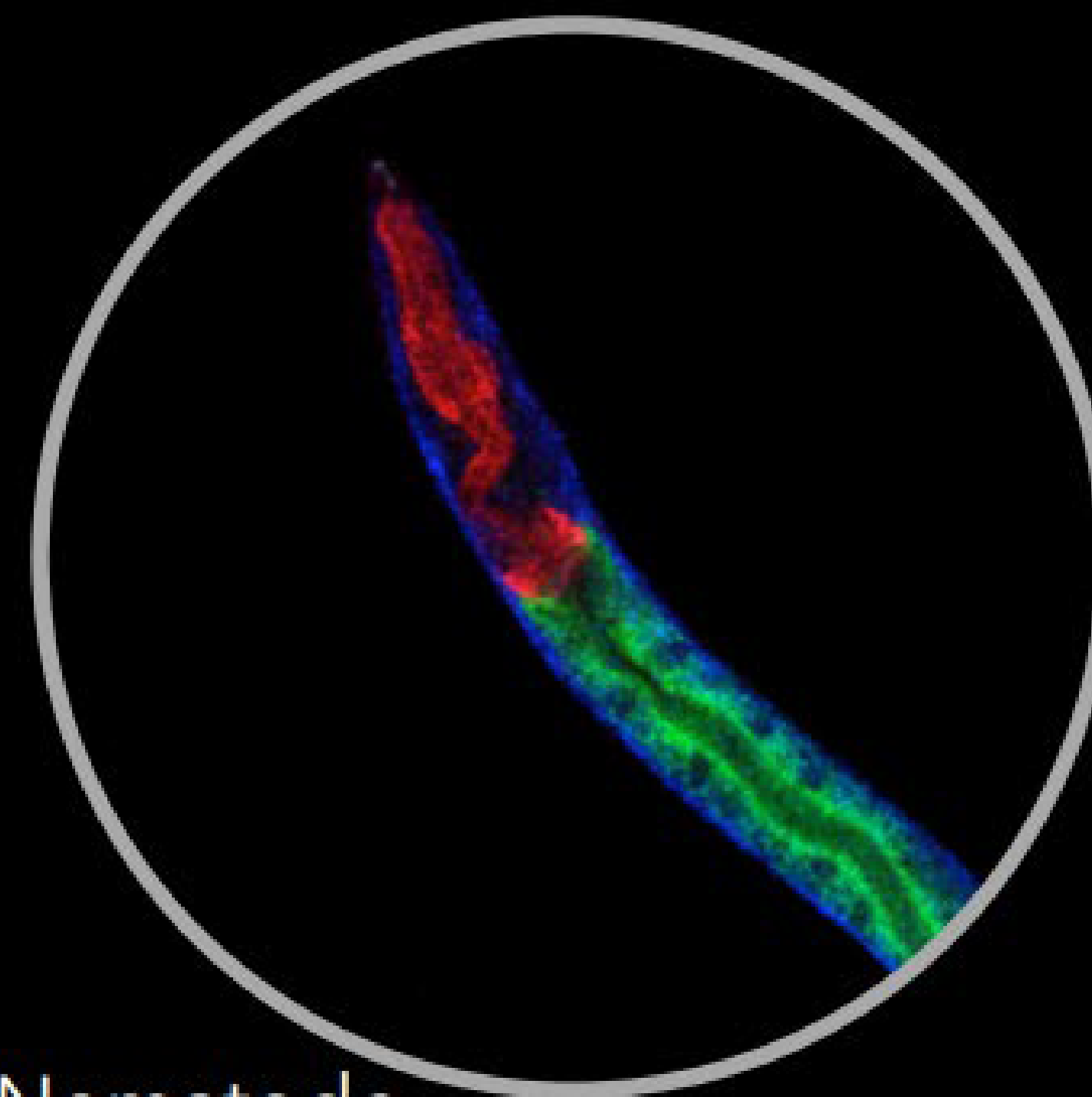
Sea Urchin



Mouse



Chicken



Nematode

Molecular Instruments supports state-of-the-art RNA imaging based on the mechanism of hybridization chain reaction (HCR). Overcoming longstanding challenges to RNA imaging in thick autofluorescent specimens including whole-mount vertebrate embryos and thick brain slices, our third-generation in situ HCR (v3.0) technology offers a unique combination of multiplexing, quantitation, sensitivity, resolution, penetration, versatility, and robustness. In situ HCR is the first programmable molecular technology to exploit principles from dynamic nucleic acid nanotechnology to solve a major multi-decade challenge in chemical biology and be widely adopted by biologists worldwide.

JKiCでは、皆さまのバイオイメージング技術へのアクセスの足掛かりとなるように、定期的にバイオイメージング技術に関する講習会を開催していく予定です。奮ってご参加いただきますようお願い申し上げます。

問い合わせ先： JKiC In vivo イメージング担当 澤田和明 k.sawada@keio.jp