

# JANUARY 25

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**"Rays of Repetitive Beauty" ©V. Weichselberger, IBDM, CNRS UMR 7288, Aix-Marseille Université**

*Marine plant collected in Mediterranean Sea. Stained for actin using Phalloidin and imaged at a 2-Photon microscope.*

**1st place at France-BioImaging Image Contest 2024**



**FRANCE-BIOIMAGING**

# FEBRUARY 25

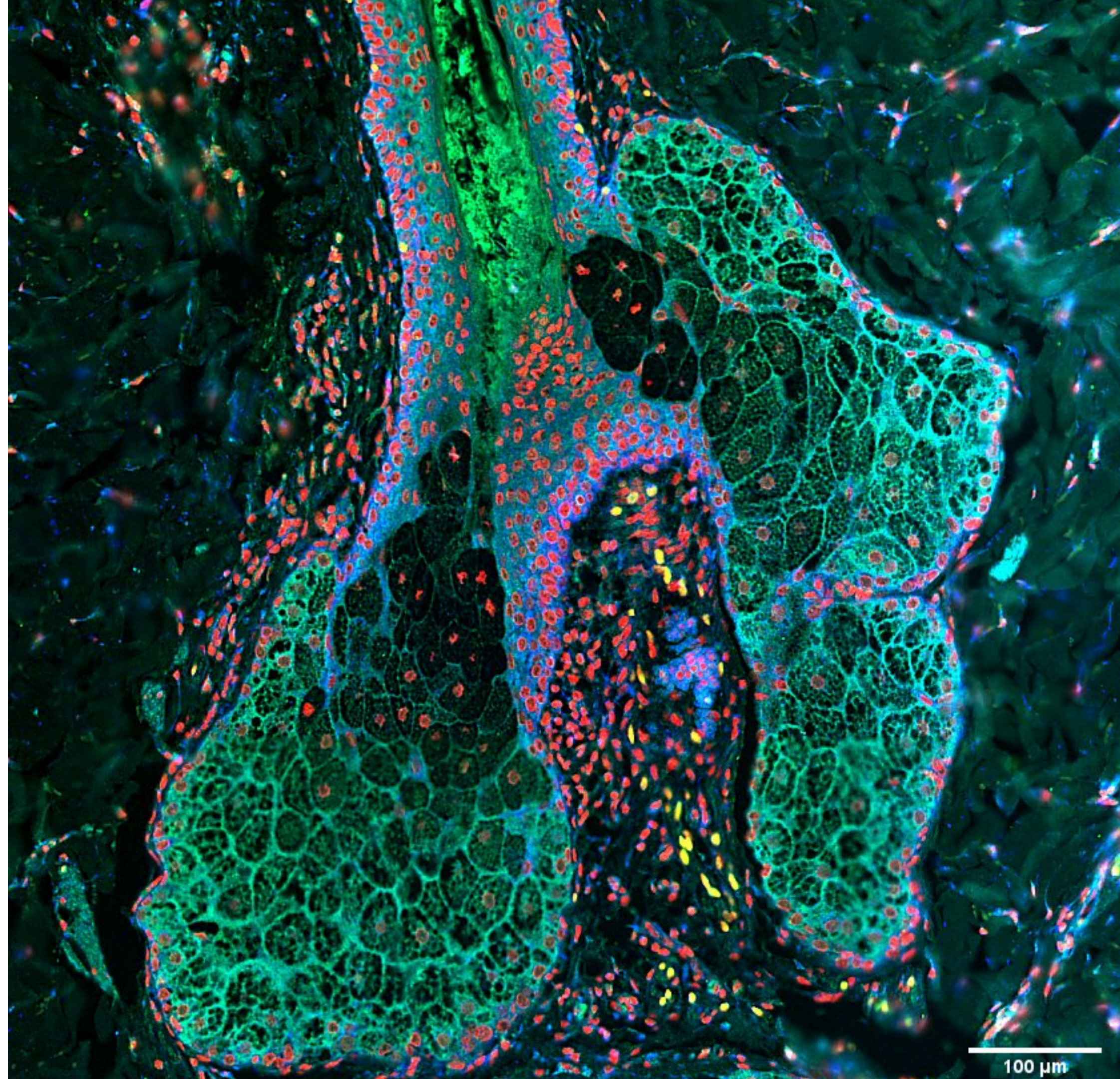
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**"Beauty is skin deep" ©K. Jerabkova-Roda, CRBS Institute: INSERM U1109, Université de Strasbourg**

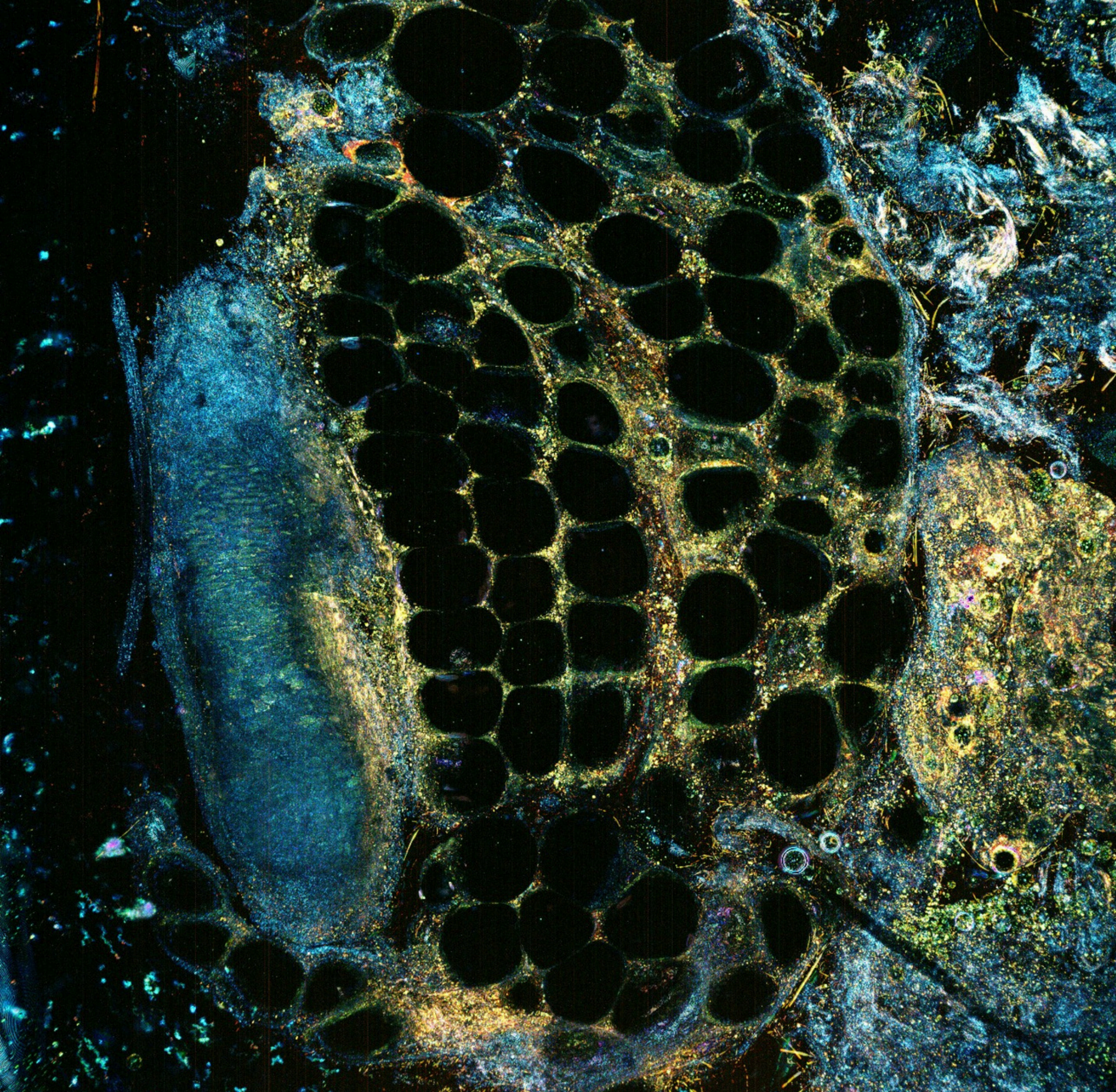
*Section of human skin biopsy imaged by slide scanner microscope at the PIC-STRA imaging platform. This sample was kindly provided by Prof. Dan Lipsker as part of a larger patient study focused on the mechanisms promoting cell invasion in metastatic melanoma.*



FRANCE-BIOIMAGING



100  $\mu$ m



# MARCH 25

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**"Avoir Klimt dans la peau" ©E. Teston, IBDM, CTM - INSERM U1231, Université de Bourgogne**

*Optical computed tomographic imaging of a skin biopsy. This photo was realized for the "express biopsy" project which aims at evaluating the interest of this technique to speed up medical diagnostics.*

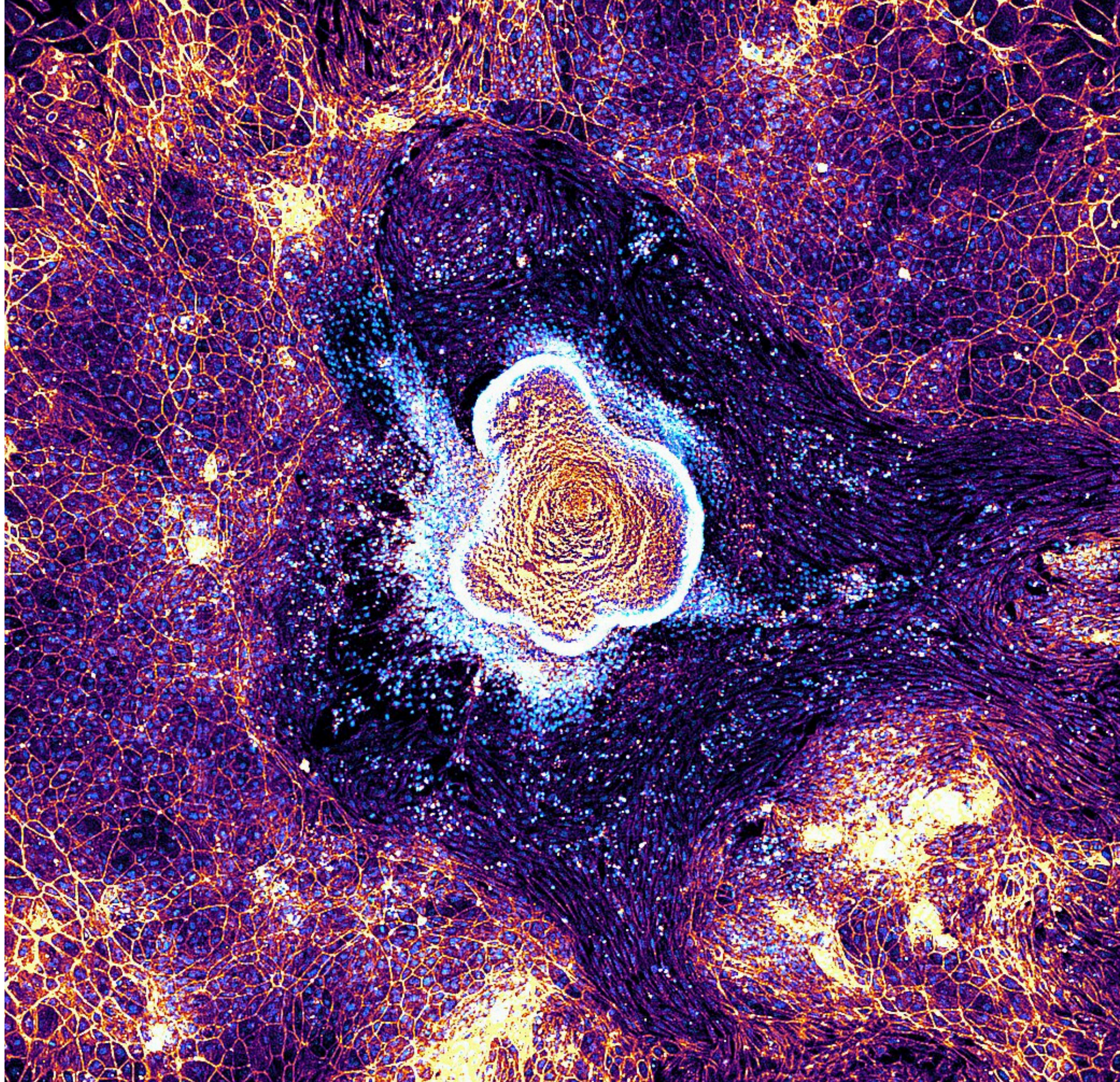
# APRIL 25

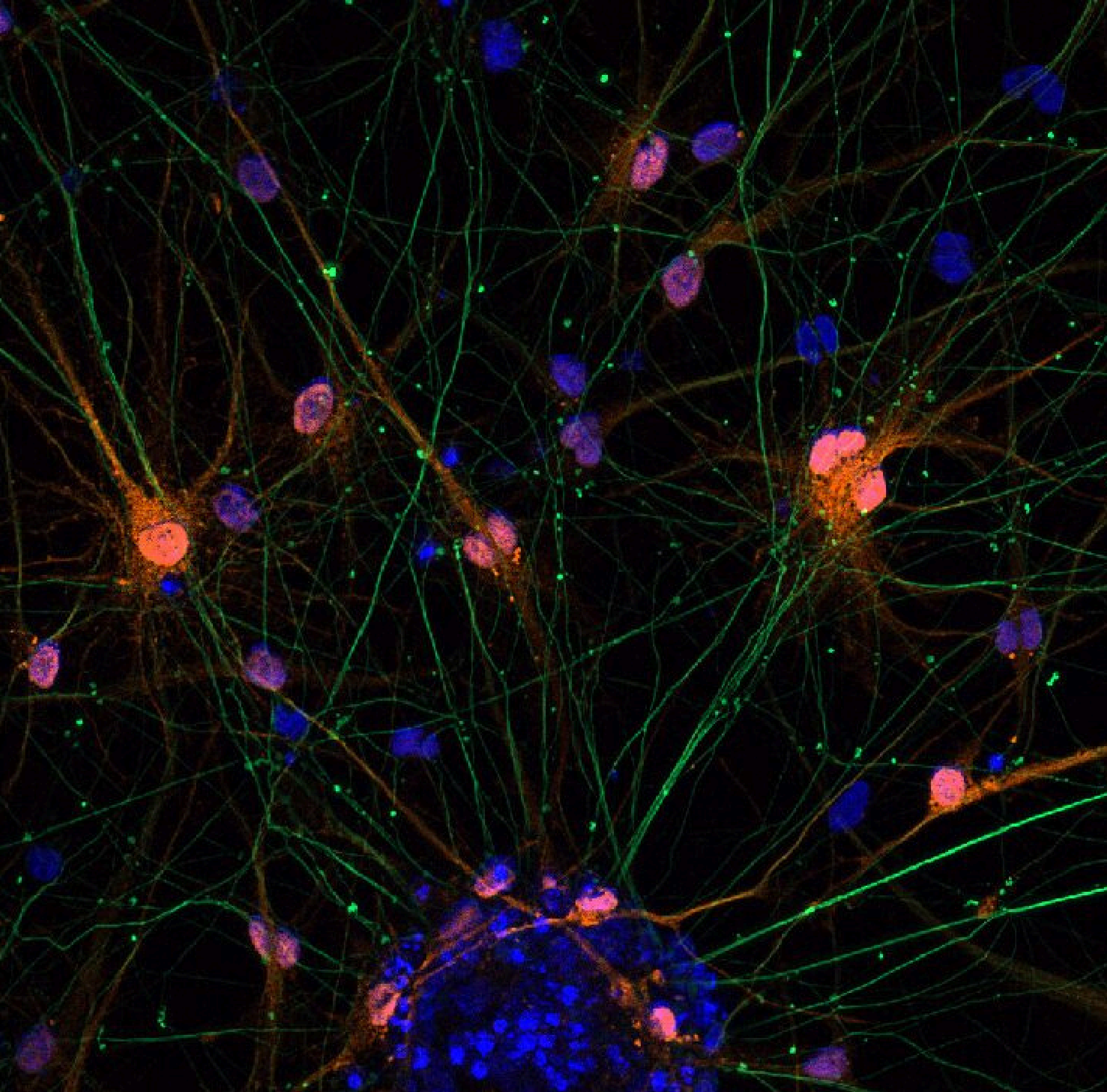
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**"Gastrula Nebula" ©D. El Arawi, IBDM, CNRS UMR 7288, Aix-Marseille Université**

*Confocal image of a murine embryonic organoid illustrating cells collective migration on a laminin-coated surface. Phalloidin-labeled actin filaments and Hoechst-stained nuclei highlight detailed cellular architecture and a remarkably structured tissue organization.*

**2nd place at France-BioImaging Image Contest 2024**





**MAY  
25**

<b>M</b>	<b>T</b>	<b>W</b>	<b>T</b>	<b>F</b>	<b>S</b>	<b>S</b>
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**"The network" ©K. Aguilar Cazarez, Institute of Functional Genomics, CNRS UMR 5203, INSERM U1191, Université de Montpellier**

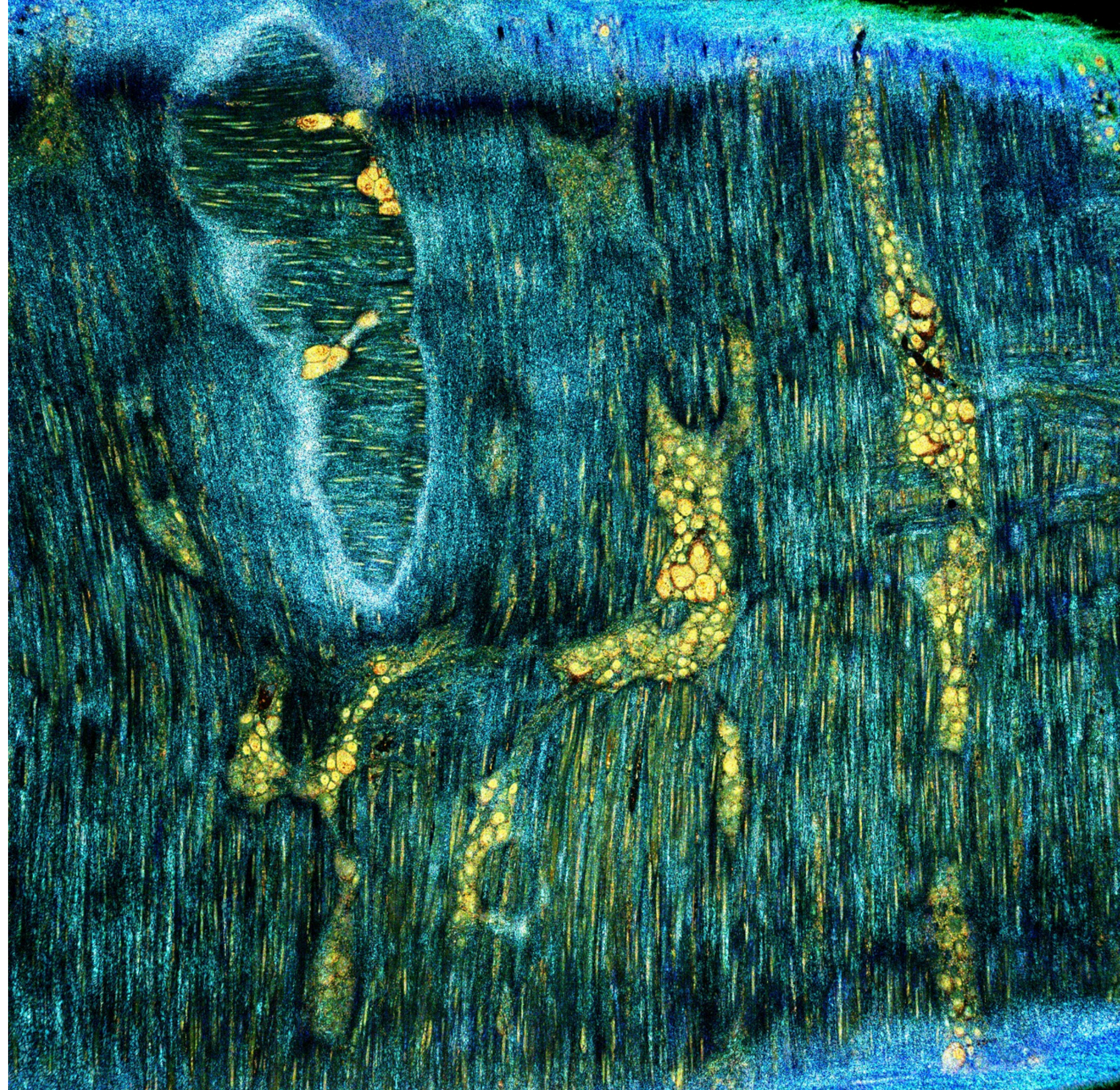
*Fluorescence microscopy image of a co-culture of glioma cells (orange) and neurons (green), captured with a Zeiss Z1 Apotome 3 system.*

**JUNE  
25**

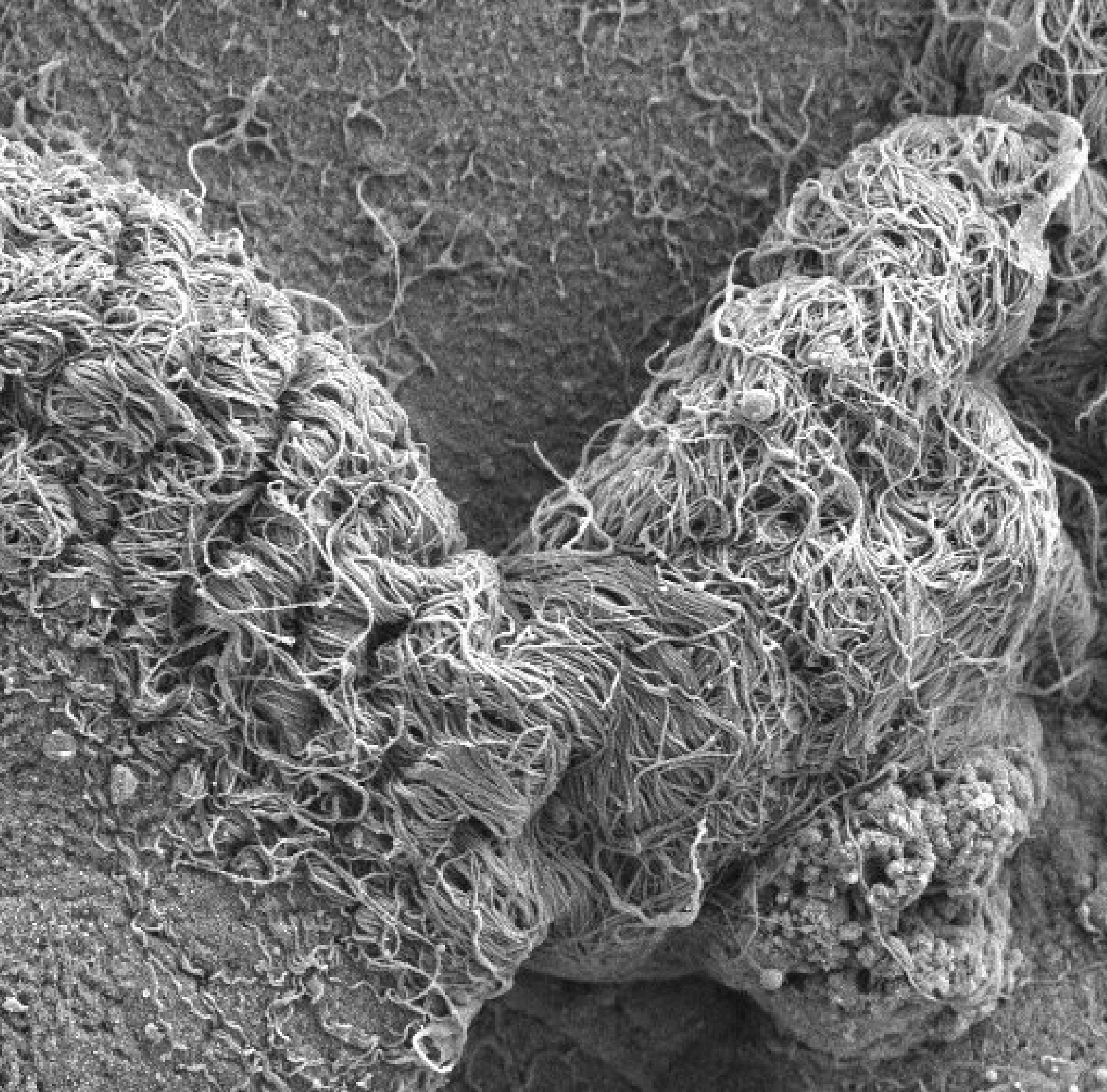
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**"Ceci n'est pas un Gerhard Richter" ©E. Teston, IBDM, CTM - INSERM U1231, Université de Bourgogne**

*Optical coherence tomography image of a mouse colon. Smooth muscle cells from the two perpendicular layers surrounding Auerbach's plexus are easily distinguished. Auerbach's plexus is responsible for the innervation of the myenteric system, cells from this plexus appear round and gather as clusters*



**FRANCE-BIOIMAGING**



**JULY  
25**

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**"Noodle Butterfly" ©F. Decoeur, Bordeaux Imaging Center, CNRS UAR 3420, INSERM US004, Université de Bordeaux & H. Vaitinadapoule, BiiO, Université de Saint-Etienne**

*Study of the cornea of patients suffering from dystrophy*



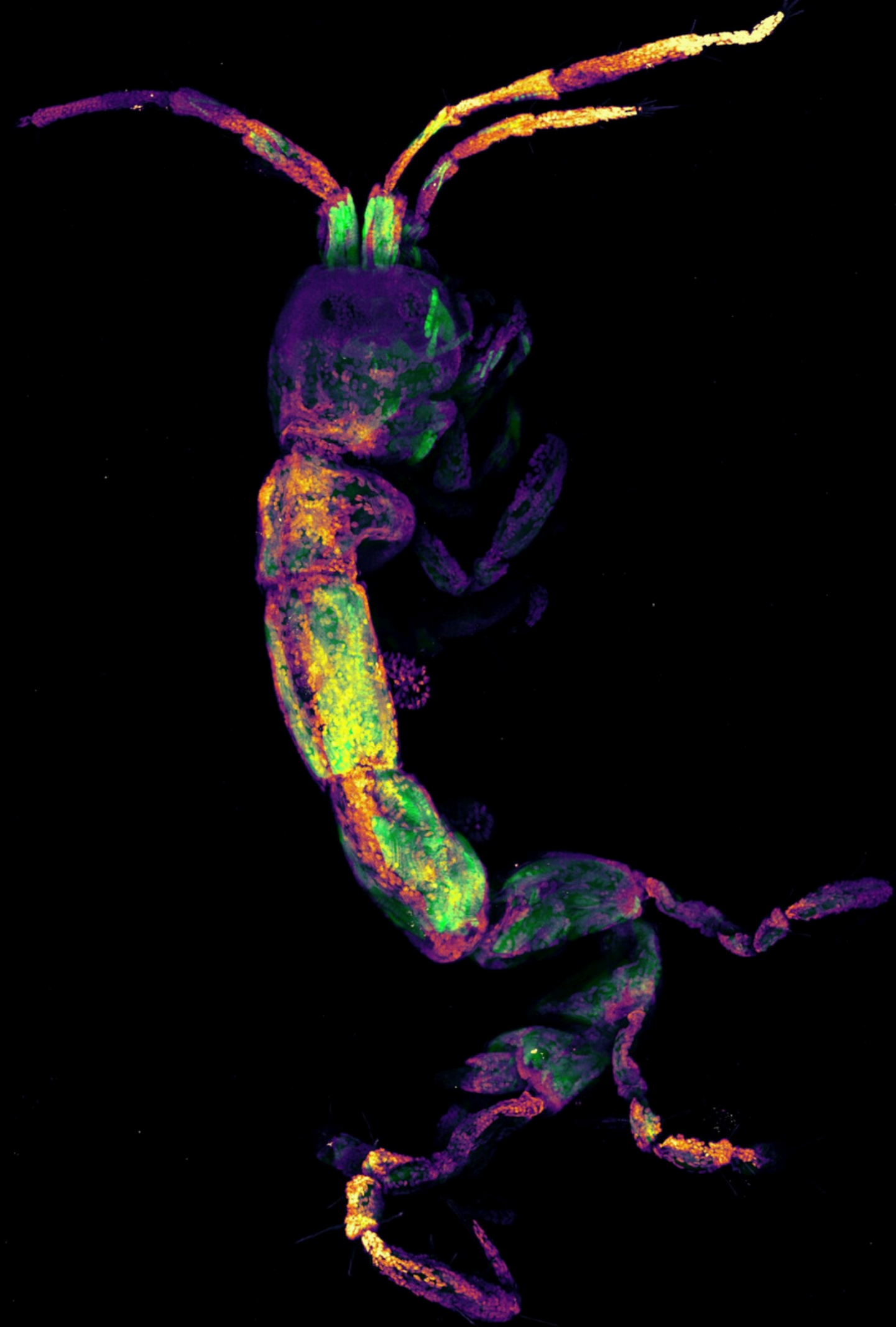
**FRANCE-BIOIMAGING**

# AUGUST 25

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**"The Ocean Warrior" ©A. Gros, IBDM, CNRS UMR 7288, Aix-Marseille Université**

*We have not yet identified this sample. We collected samples out of curiosity during a laboratory retreat on the island of Frioul, in the calanque of Saint-Estève. Imaging all the species collected has become a project in its own right and we are still trying to identify them. This sample was fixed a few days after collection, we stained the actin and nuclei, and imaged in 3D with a biphoton microscope.*





# SEPTEMBER 25

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**"Avoir le biofilm dans le sang" ©E. Teston, IBDM, CTM - INSERM U1231, Université de Bourgogne**

*Optical coherence tomography image of a central venous catheter section recovered from a hospitalized patient, to observe the possible presence of bacterial biofilm, a major risk factor in nosocomial infections. One can see a blood clot inside the lumen and biofilm stuck along the inner catheter wall. The aim of this work is to better understand biofilm formation and the factors influencing its appearance.*



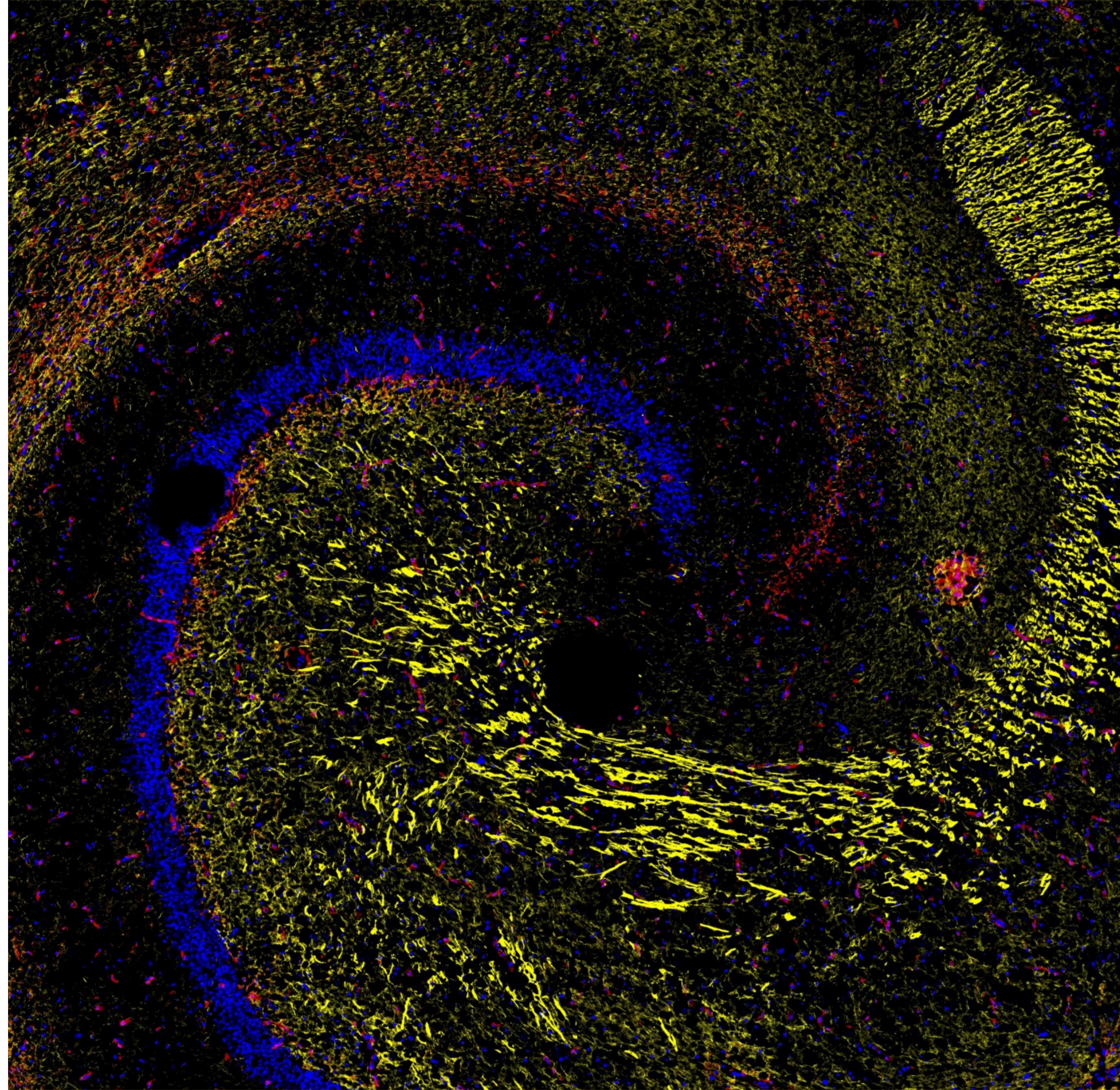
FRANCE-BIOIMAGING

# OCTOBER 25

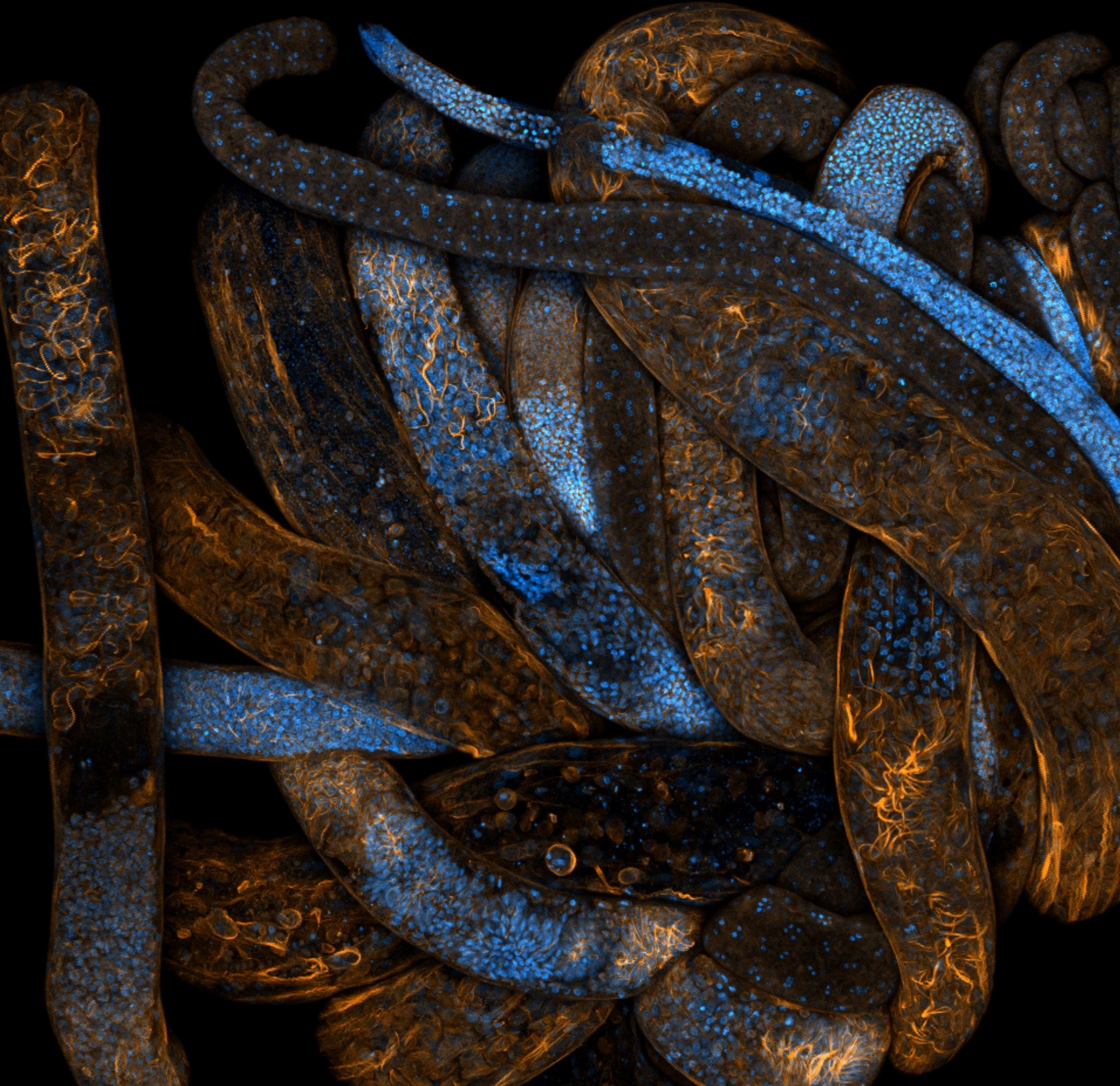
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**"Whirlpool of Thoughts" ©I. Sutevski, KTH (The Royal Institute of Technology), SciLifeLab**

*Rhesus macaque hippocampus stained with immunofluorescence protocol for neurofilament L (in yellow), CD133 (in red) and nuclear marker DAPI (in blue).*



FRANCE-BIOIMAGING



# NOVEMBER 25

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**“Explosion filarienne” ©F. Fercoq, Muséum National d'Histoire Naturelle, Unité MCAM, CNRS UMR 7245**

*The Parasitology Laboratory at MNHN studies host-parasite interactions, particularly in the context of filarial infections. This image reveals the internal architecture of Litomosoides sigmodontis, a parasitic nematode used as a model to better understand filarial infections. Under significant internal pressure to maintain its structure, this nematode experienced a cuticle rupture during handling, leading to the expulsion of some organs, including the ovary and intestine. The cytoskeleton appears in orange, and the DNA in cyan.*

**3rd place at France-BioImaging  
Image Contest 2024**



# DECEMBER 25

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**"The nest" ©L. Azzi-Martin, Bordeaux Institute of Oncology, INSERM U1312, Université de Bordeaux**

*Caco2 colorectal adenocarcinoma cell stained with DAPI, anti-phospho H2AX and phalloidin. The cells were intoxicated with a toxin that triggers DNA damage and the images captured to measure the DNA damage level. The image was captured using an epifluorescent microscope and a x40 oil immersion lens.*

