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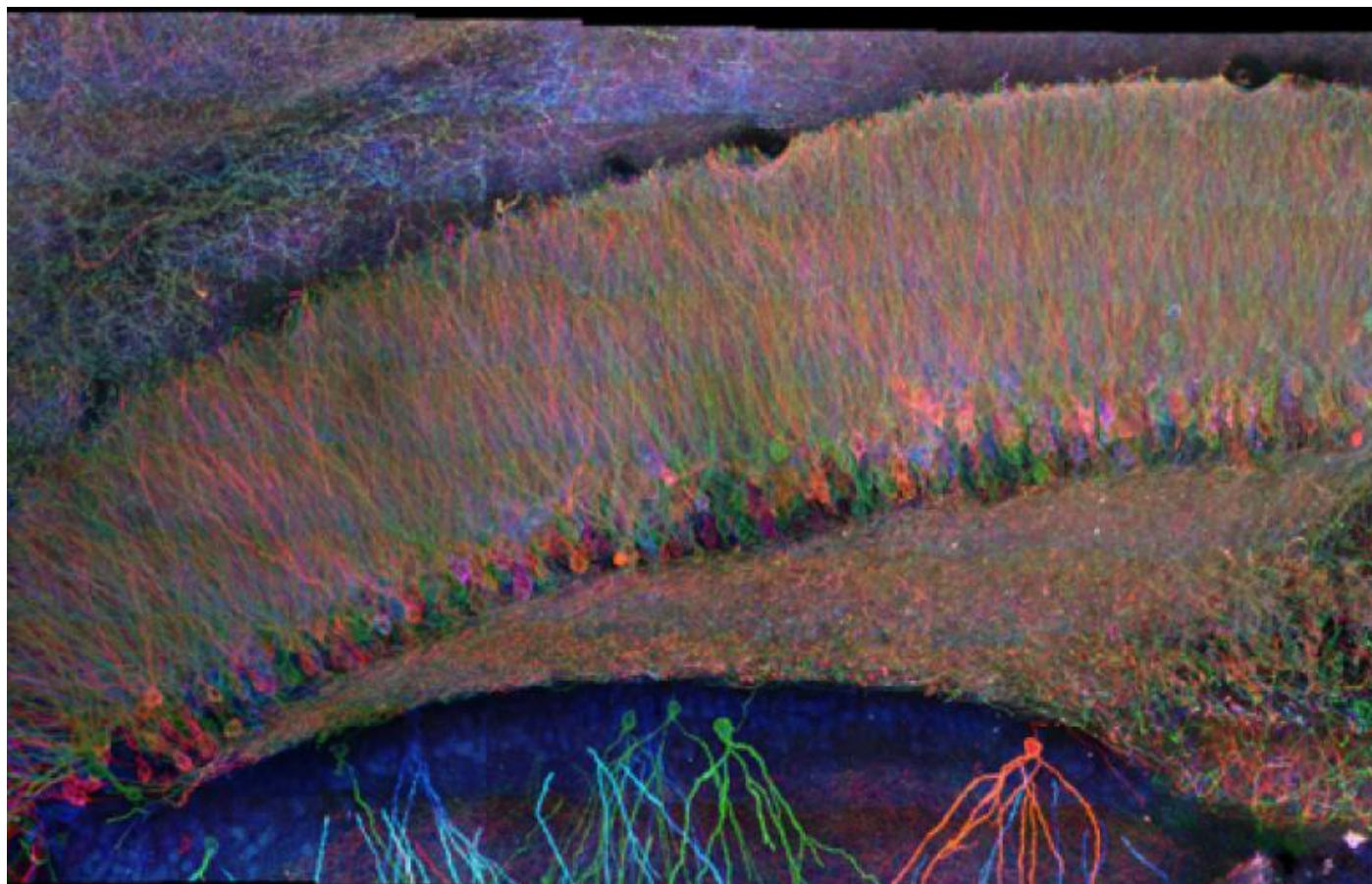
The Lennart Nilsson Award

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## Lennart Nilsson Award 2019 is awarded to Ed Boyden



Ed Boyden wins the 2019 Lennart Nilsson Award. He gets the prize for

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microscopy technique called expansion microscopy. With this technique his group, including then-graduate students Fei Chen and Paul Tillberg, made it possible to record images of biological preparations that were previously very difficult to study.

The technique is based on physical expansion of the biological specimen, which also makes it transparent. By expansion, magnification is obtained even before the microscope is used.

Ed Boyden has with expansion microscopy, much like Lennart Nilsson, made the invisible visible and, with an artistic view, highlighted the beauty in microscopy preparations, in particular images of the brain's three-dimensional structure. His microscope images have, through their detail and beauty, provided a deeper understanding of the complexity of the brain for both laymen and experts.

*Ed Boyden is awarded the prize for his development of expansion microscopy; a microscopy technique that makes the invisible visible and brings out the hidden details in microscopy preparations, beautifully demonstrated by studies of three-dimensional structures in the brain.*

Motivation of the jury

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