

Materials List for

Automatic Identification of Dendritic Branches and their Orientation

Inbar Dahari¹, Danny Baranes¹, Refael Minnes²

¹Department of Molecular Biology, Ariel University ²Department of Physics, Ariel University

Corresponding Author

Refael Minnes
refaelm@ariel.ac.il

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jove.com/video/62679

Materials

Name	Company	Catalog Number	Comments
Matplotlib	2002 - 2012 John Hunter, Darren Dale, Eric Firing, Michael Droettboom and the Matplotlib development team; 2012 - 2021 The Matplotlib development team.	3.4.2	a Python 2D plotting library
matplotlib-scalebar	Philippe Pinard	0.7.2	artist for matplotlib to display a scale bar
NumPy	The NumPy community.	1.20.3	fundamental package for scientific computing library
OpenCV	OpenCV team	4.5.2.54	Open Source Computer Vision Library
PyCharm	JetBrains	2020.3.1 (Community Edition) version	Build #PC-203.6682.86, built on December 18, 2020. Runtime version: 11.0.9.1+11-b1145.37 amd64. VM: OpenJDK 64-Bit Server VM by JetBrains s.r.o. Windows 10 10.0. Memory: 978M, Cores: 4
PyQt5	Riverbank Computing	5.15.4	manage the GUI
python	Python Software Foundation License	3.9 version	
Qt Designer	The QT Company Ltd.	5.11.1 version	
scipy	Community library project	1.6.3	Python-based ecosystem of open-source software for mathematics, science, and engineering
Seaborn	Michael Waskom.	0.11.1	Python's Statistical Data Visualization Library.
Windows 10	Microsoft		
Xlsxwriter	John McNamara	1.4.3	Python module for creating Excel XLSX files