

BioVision Software Installation Instructions

Version: 1.0

1. System Prerequisites

Before you begin the installation, please make sure your system meets the following minimum requirements:

- **Operating System:** Windows 10 or 11 (64-bit)
 - **Processor:** Intel Core i5 or equivalent, or higher
 - **Memory:** At least 8 GB RAM (16 GB recommended)
 - **Disk Space:** Minimum 500 MB available
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2. Downloading BioVision

1. Open your web browser and visit the official download link:
[BioVision Google Drive Folder](#)
 2. Locate the latest BioVision installation file in the folder.
 3. Click the file to begin downloading (step 1-3).
Note: Some browsers may warn about large files or unfamiliar sources. Confirm to proceed (Download anyway).
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3. Extracting Installation Files

1. Once the download is complete, find the downloaded .zip file in your Downloads folder.
 2. Right-click the .zip file and select **Extract All...**
 3. Choose your desired location for the extracted files and click **Extract** (step 4).
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4. Running the Installer

1. Open the folder containing the extracted files.
2. Double-click on **BioVision Software Setup.exe** to start the installation process (step 5).
3. When you run the **BioVision Software Setup.exe** file, you may have at least one of the following pop-up windows:

* **User Account Control:** “Do you want to allow this app from an unknown publisher to make changes to your device”. allow the installer to make changes to your device by clicking **Yes**.

*** Windows protected your PC:** “Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.” Click **More info** and then **Run anyway**.

5. Installation Wizard

1. The BioVision Setup Wizard will guide you through the installation steps.
 2. Review and accept to the license agreement, then click **Next** (step 6).
 3. Select your preferred installation location or use the default path (**highly recommended – step 7**).
 4. Optionally, choose to create a desktop shortcut (step 8).
 5. Click **Install** to start copying files (step 9).
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6. Completing Setup

1. Wait for the progress bar to reach 100% (step 10).
 2. Once installation is complete, ensure the **Launch BioVision** option is checked if you want to start the program right away.
 3. Click **Finish** to exit the installer (step 11).
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7. Starting BioVision

1. On first launch, you'll be greeted with a welcome screen (step 12).
 2. The program will initialize its modules and prepare the main interface (step 13).
 3. Once loaded, you can begin using BioVision for your analyses (step 14).
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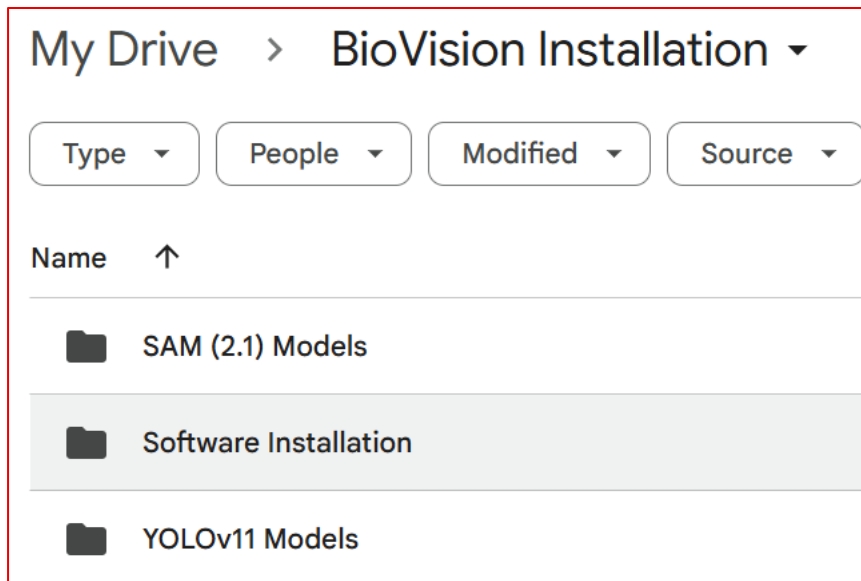
9. Support

For installation help or technical support, please contact:

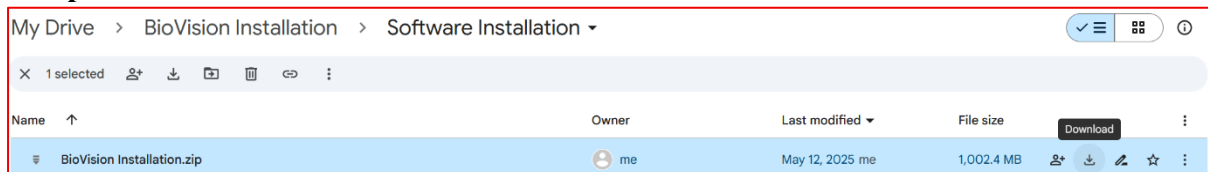
Email: inass.odeh@campus.technion.ac.il

Website: <https://github.com/Anas-Odeh/BioVision>

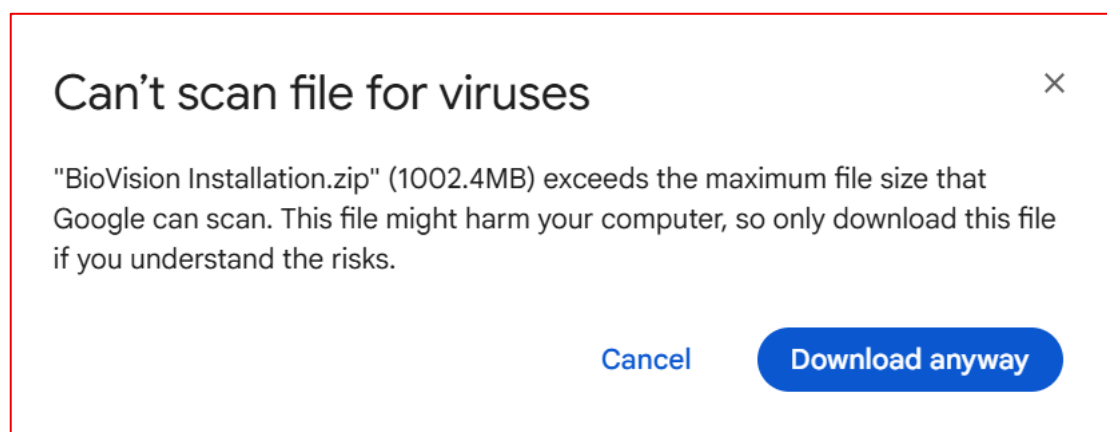
Step 1



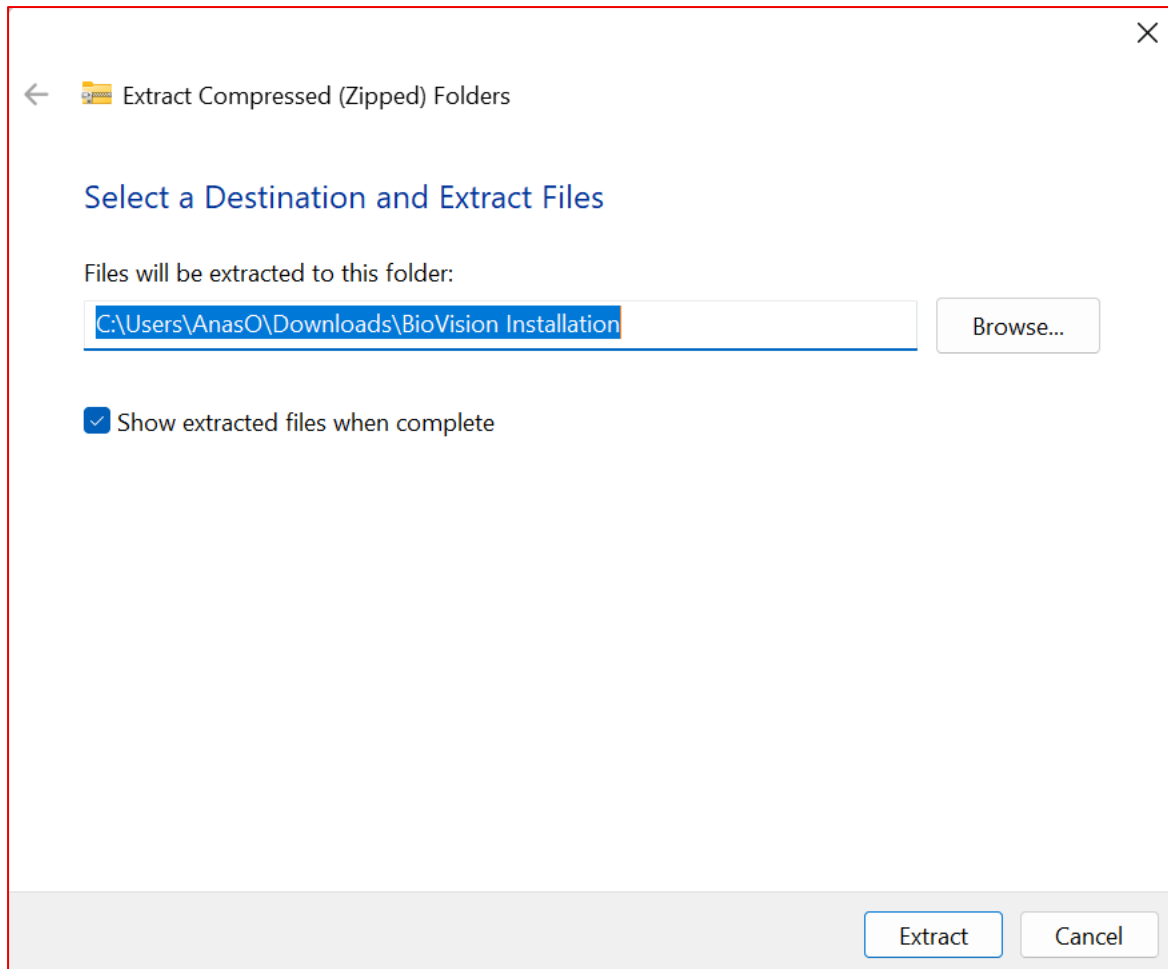
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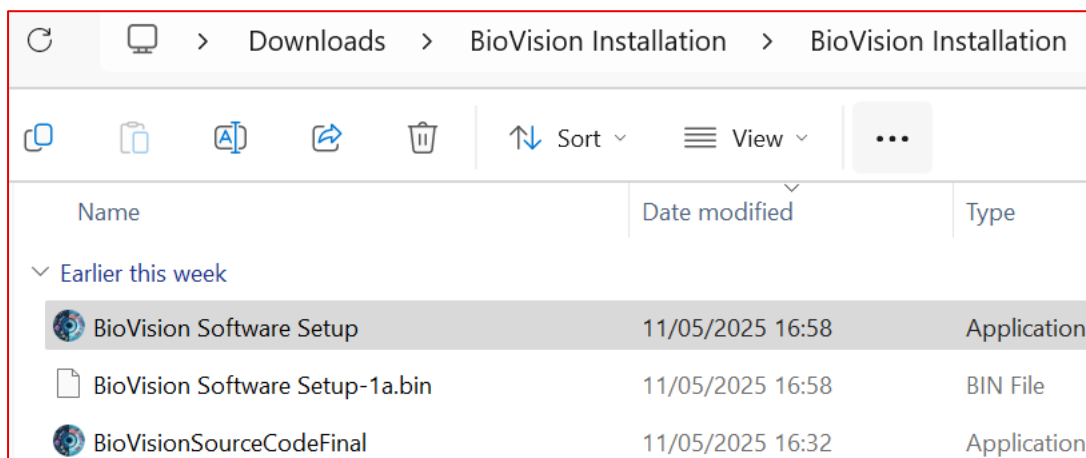
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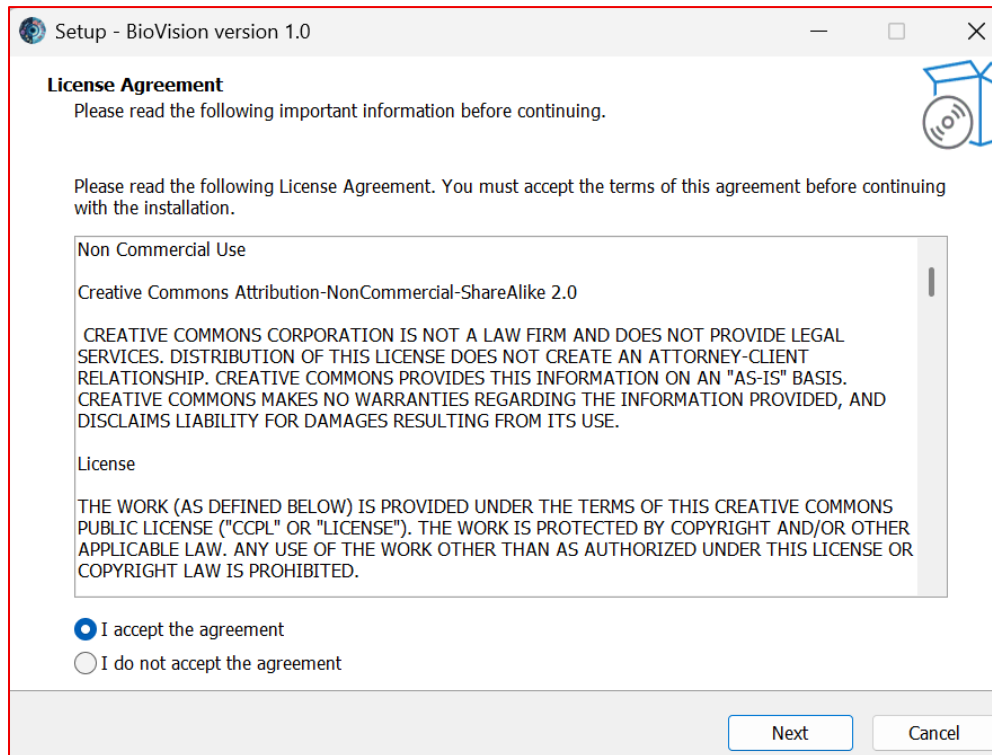
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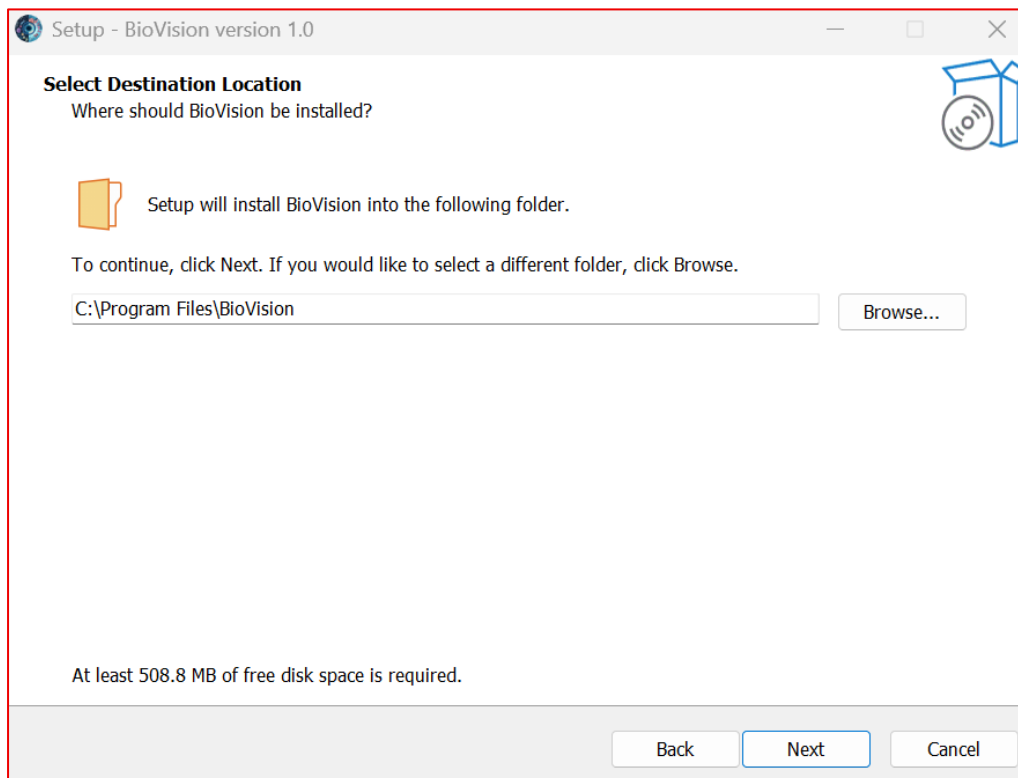
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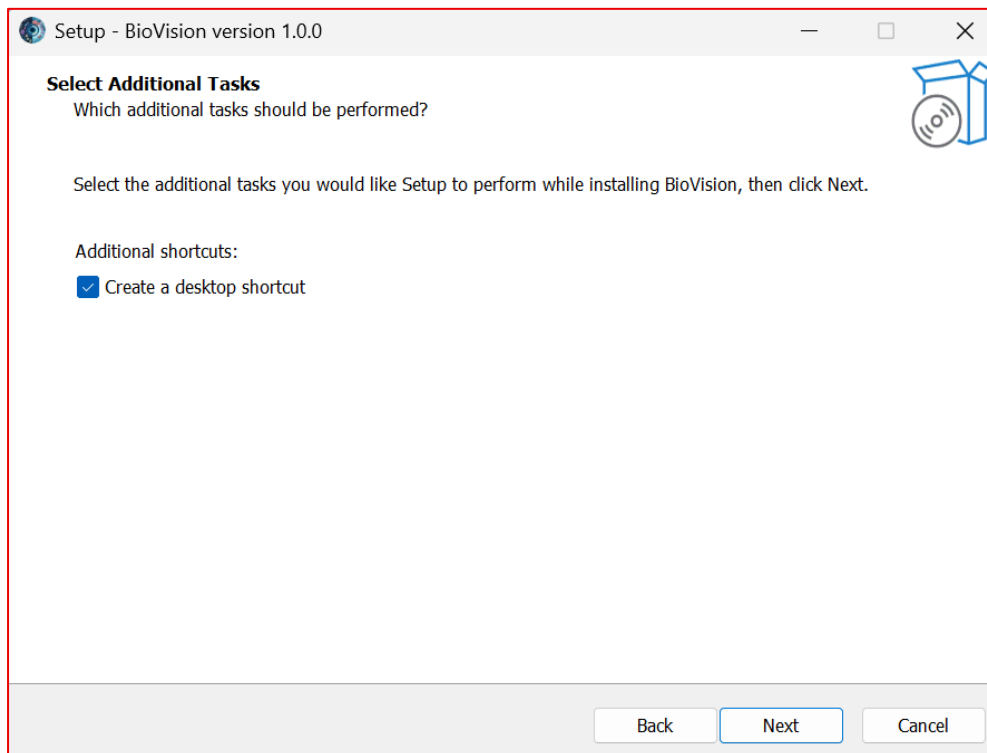
Step 6



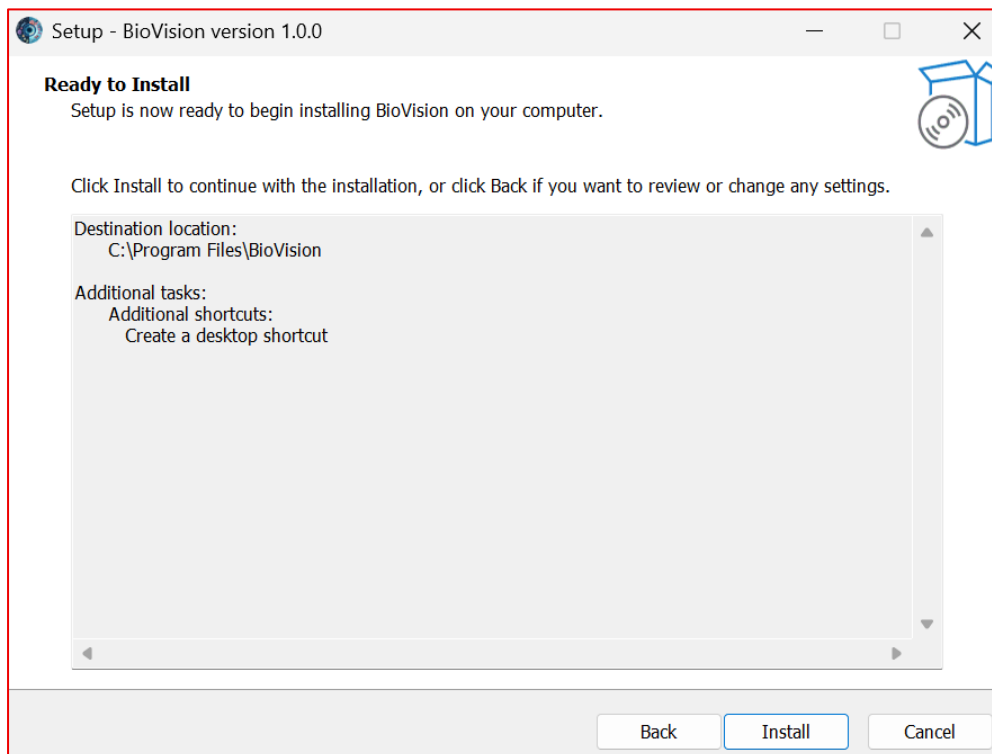
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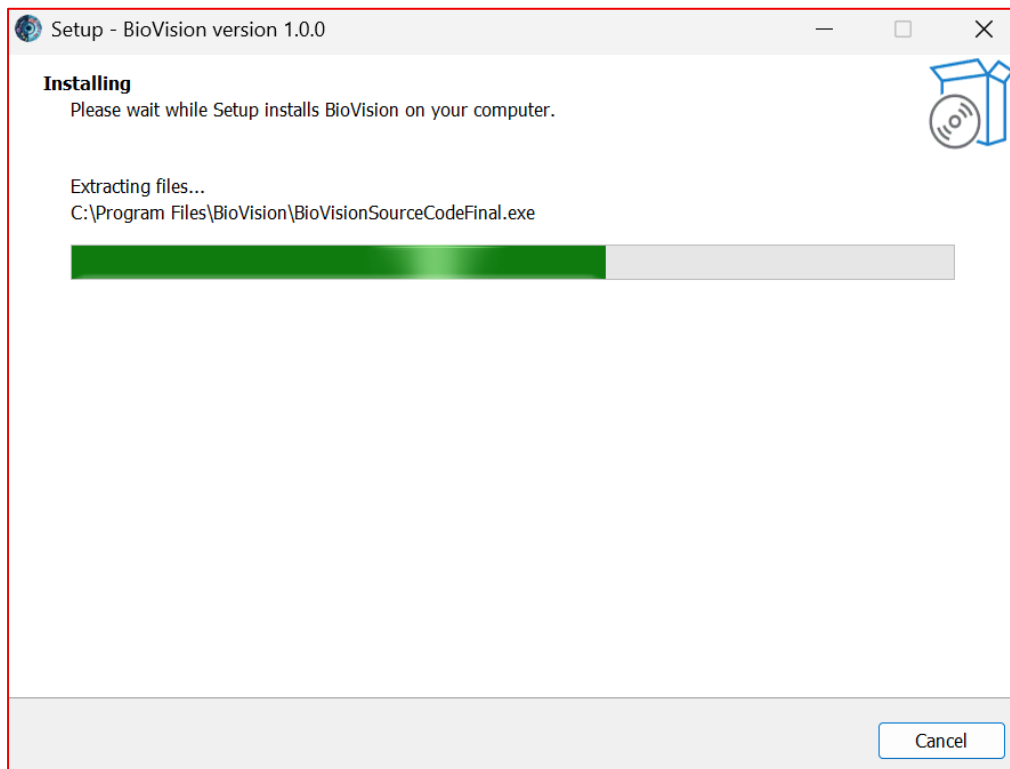
Step 8



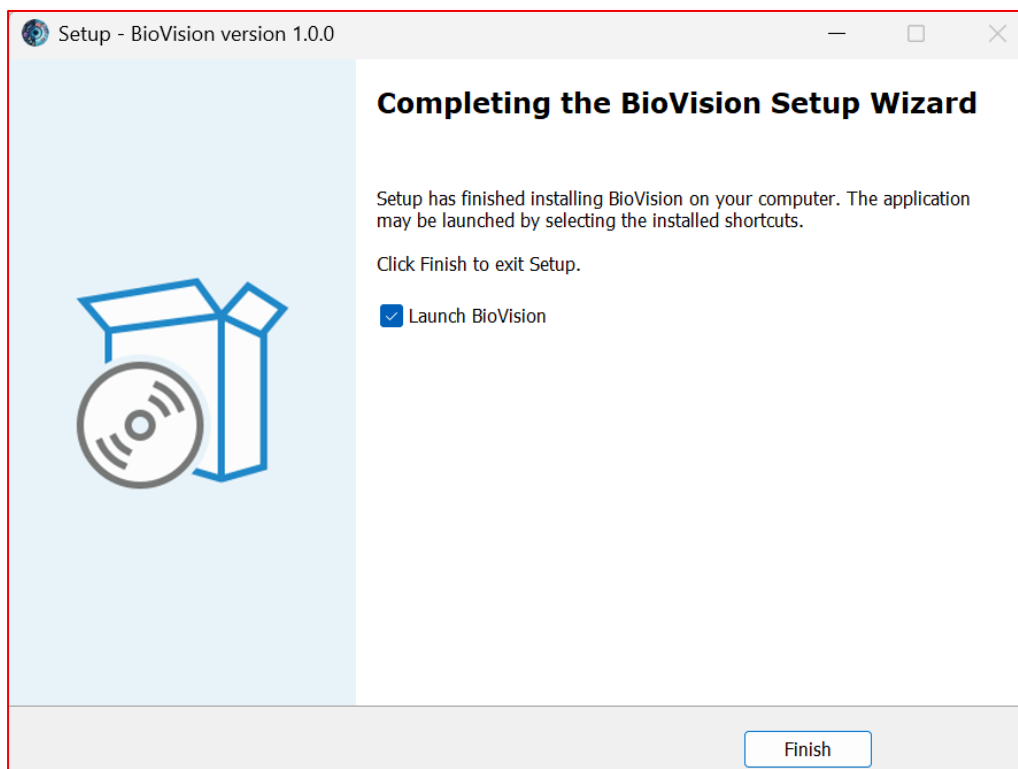
Step 9



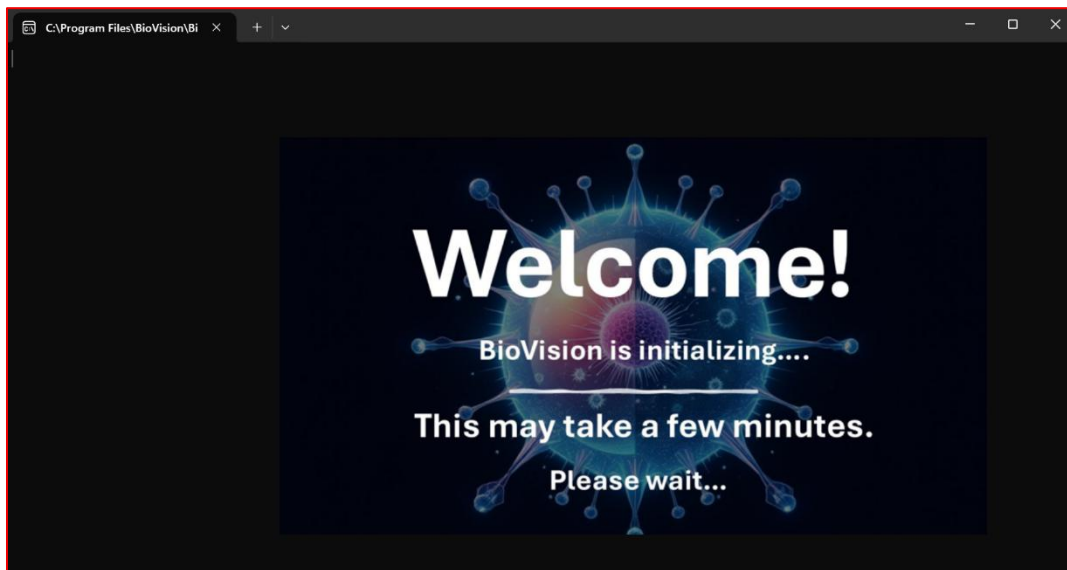
Step 10



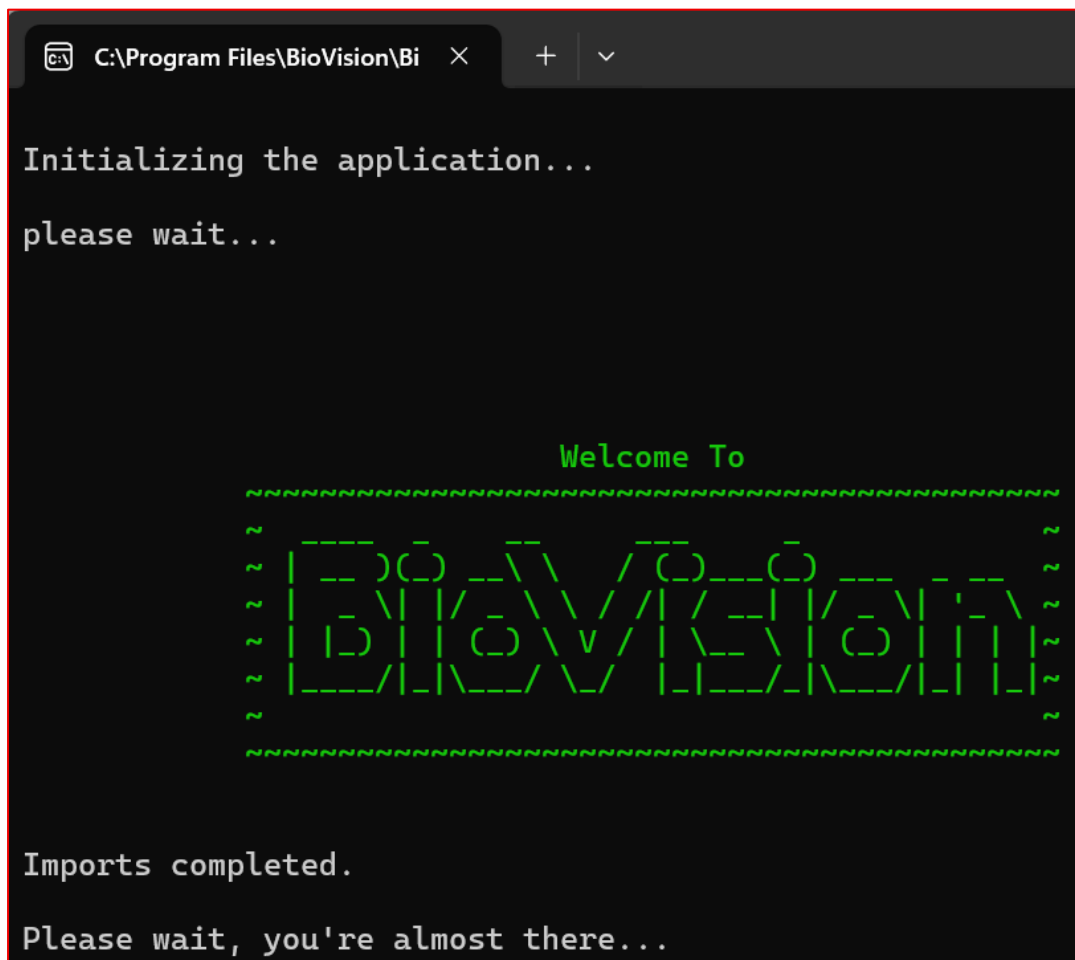
Step 11



Step 12



Step 13



Step 14

BioVision AI Platform

Advanced Image Analysis for Medical Research

Instance Segmentation

Classification

Configuration

Select YOLO Model

Select SAM Model

Select Image Folder

Select Output Directory

YOLO Model: Not selected

SAM Model: Not selected

Image Folder: Not selected

Output Directory: Not selected

Progress

Ready to process images

Processing Results

Welcome to BioVision Segmentation Tool

This tool combines YOLO object detection with SAM (Segment Anything Model) for advanced medical image segmentation and analysis.

APPLICATIONS:

- Medical Imaging: Segment breast cancer cells, brain tumors, and white blood cells
- Histopathology: Analyze tissue samples and cell structures
- Microscopy: Segment and analyze microscopic structures
- Research: Extract region properties for quantitative analysis

HOW TO USE:

- Select your trained YOLO model file (.pt) for object detection

Start Processing

Active: Instance Segmentation

v1.0.0

