The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

Antonella MAUGLIANI

Wilma JACOBS

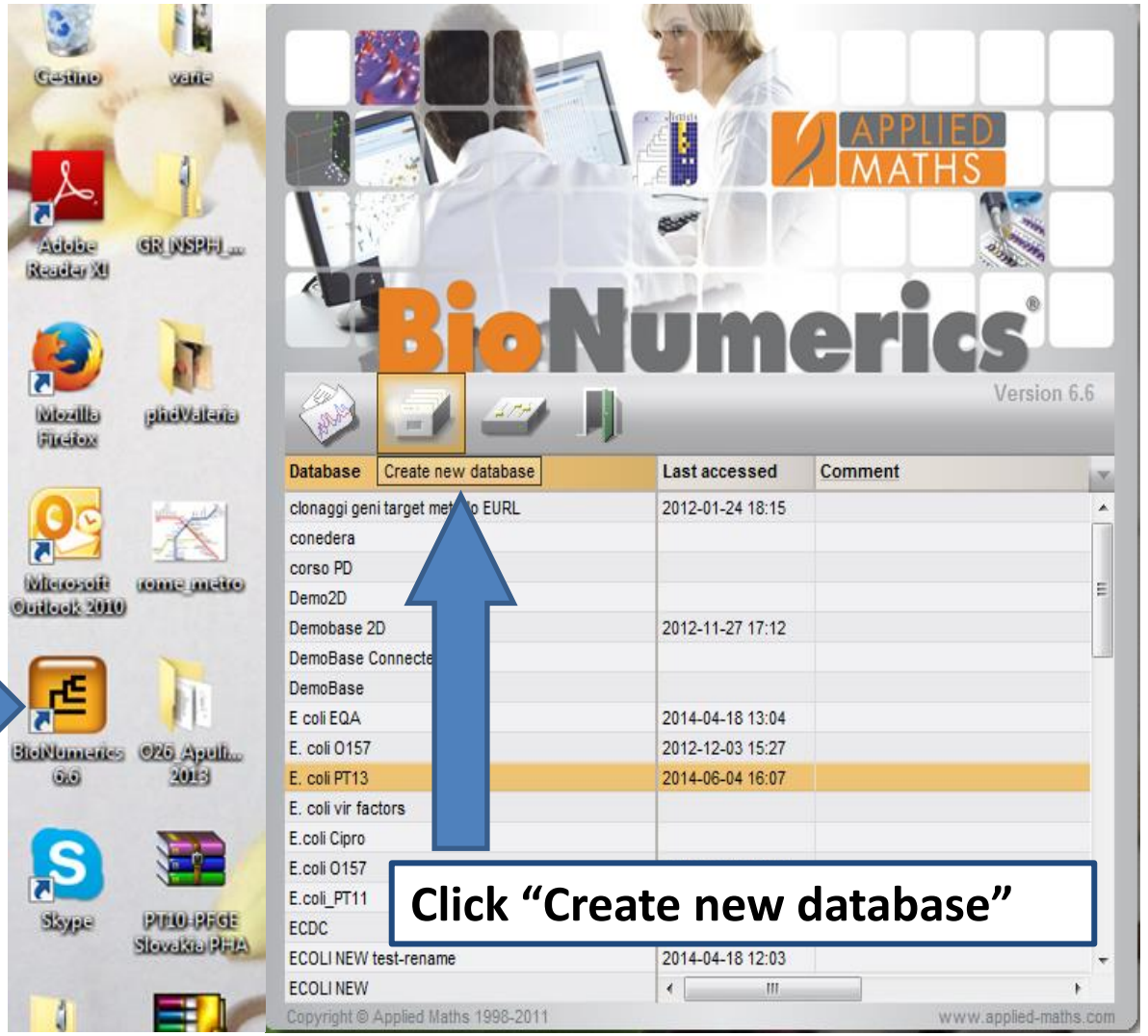
BN 6

BN 7

The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

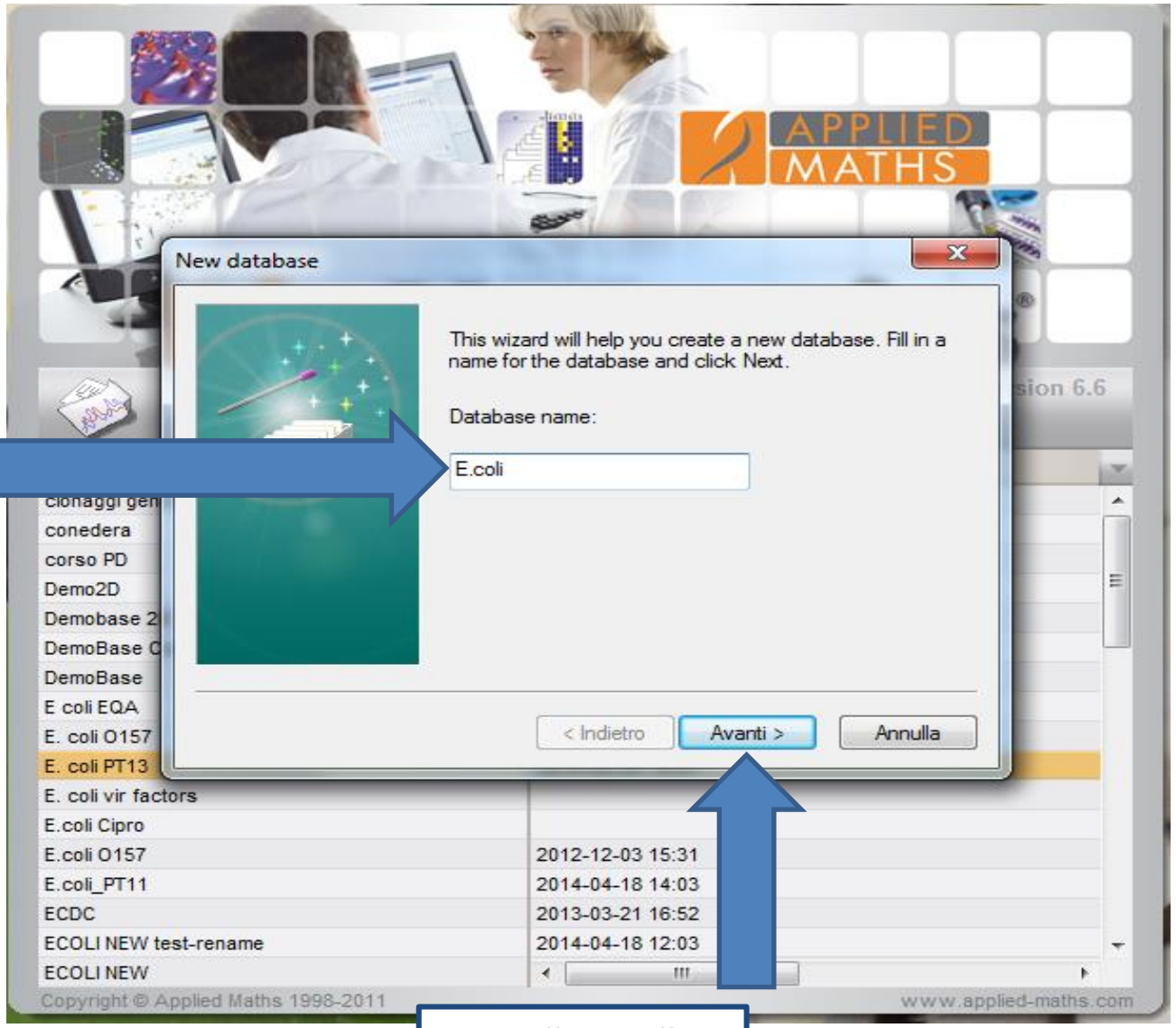
Step 1: Create a New Database

Double click on the BioNumerics shortcut



Step 1: Create a New Database

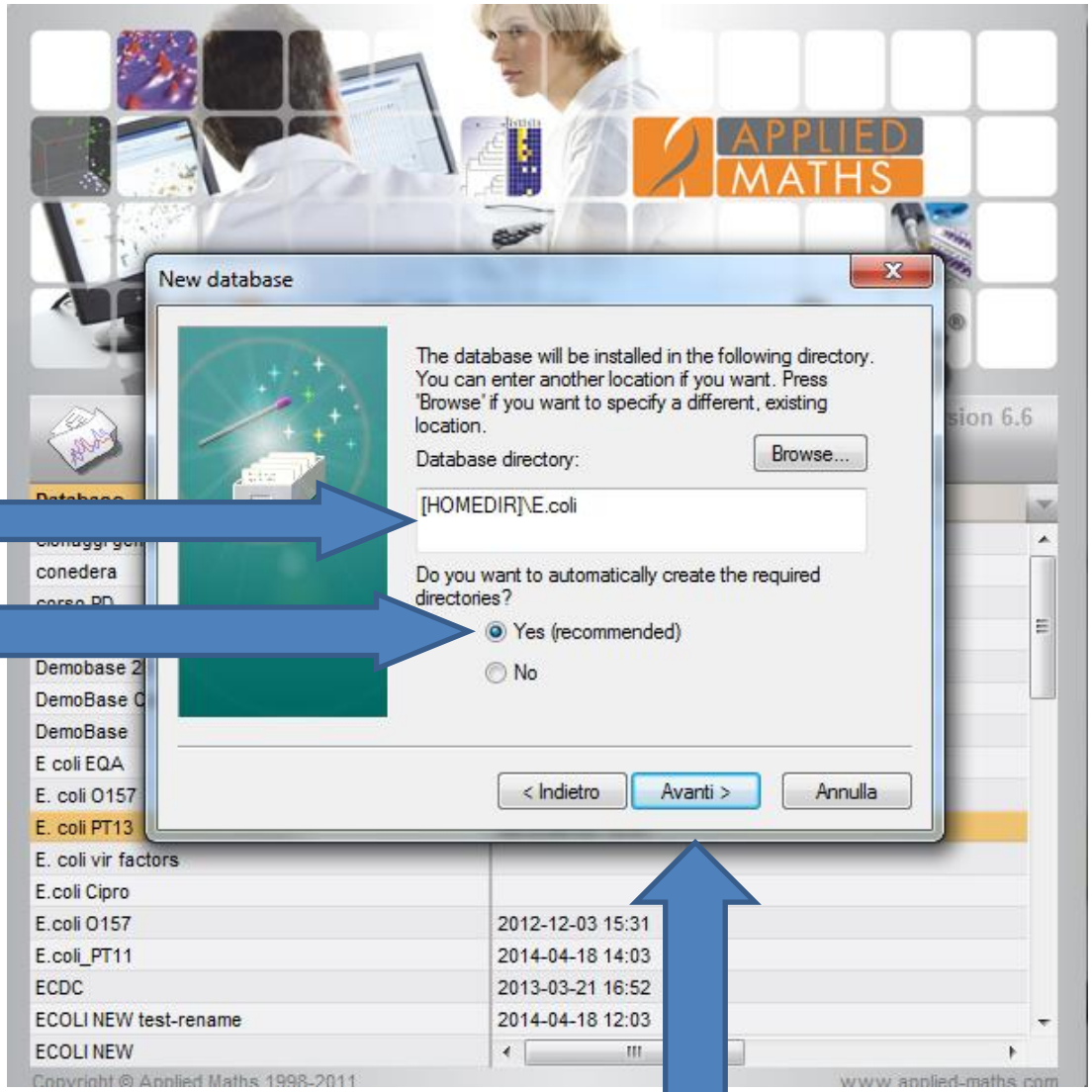
Type in the name for your new database: E.coli



Click "Next"

The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

Step 1: Create a New Database



Select the default directory

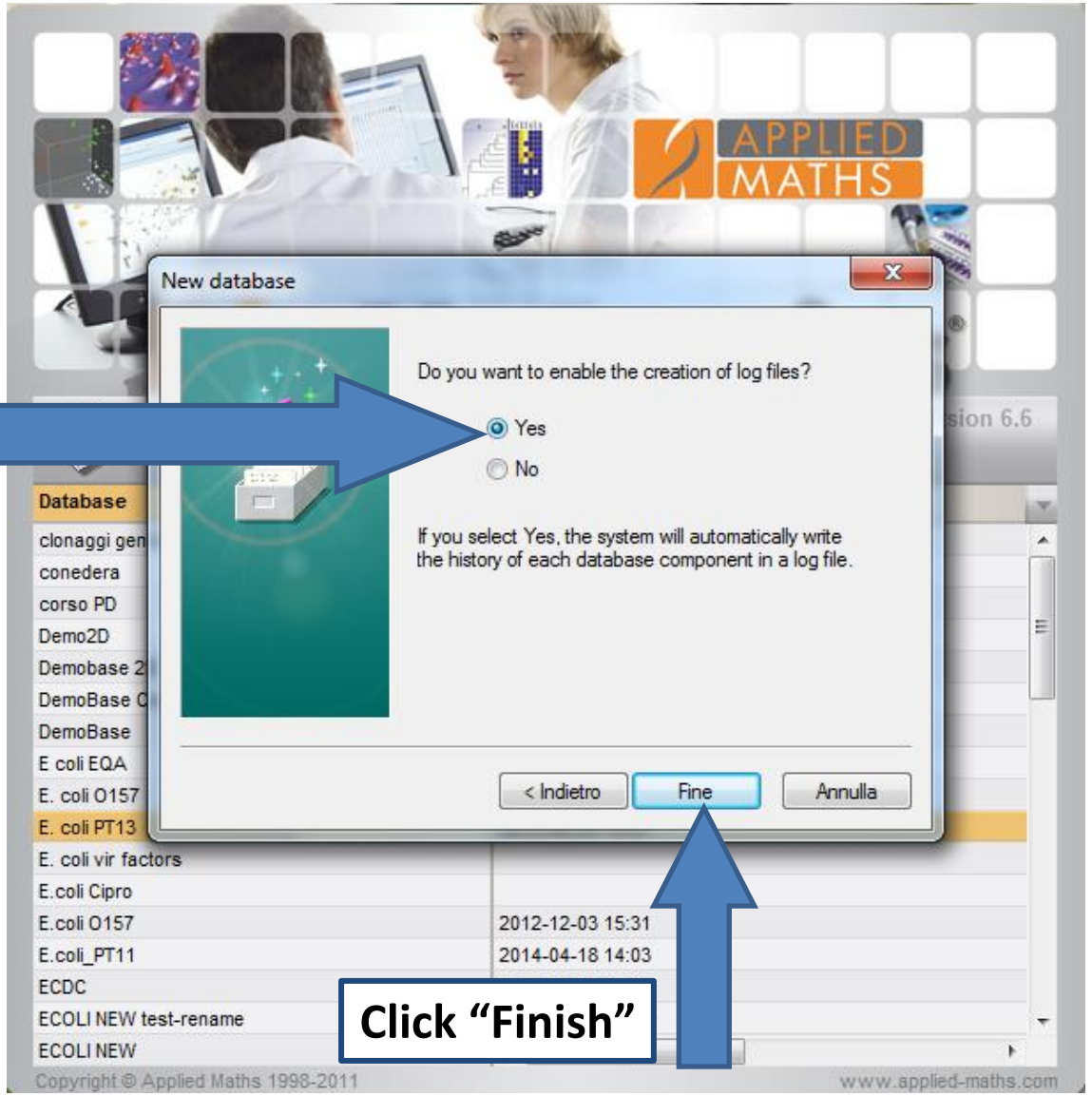
Keep the default at "Yes"

Mind the directory where you want to place your database(s)

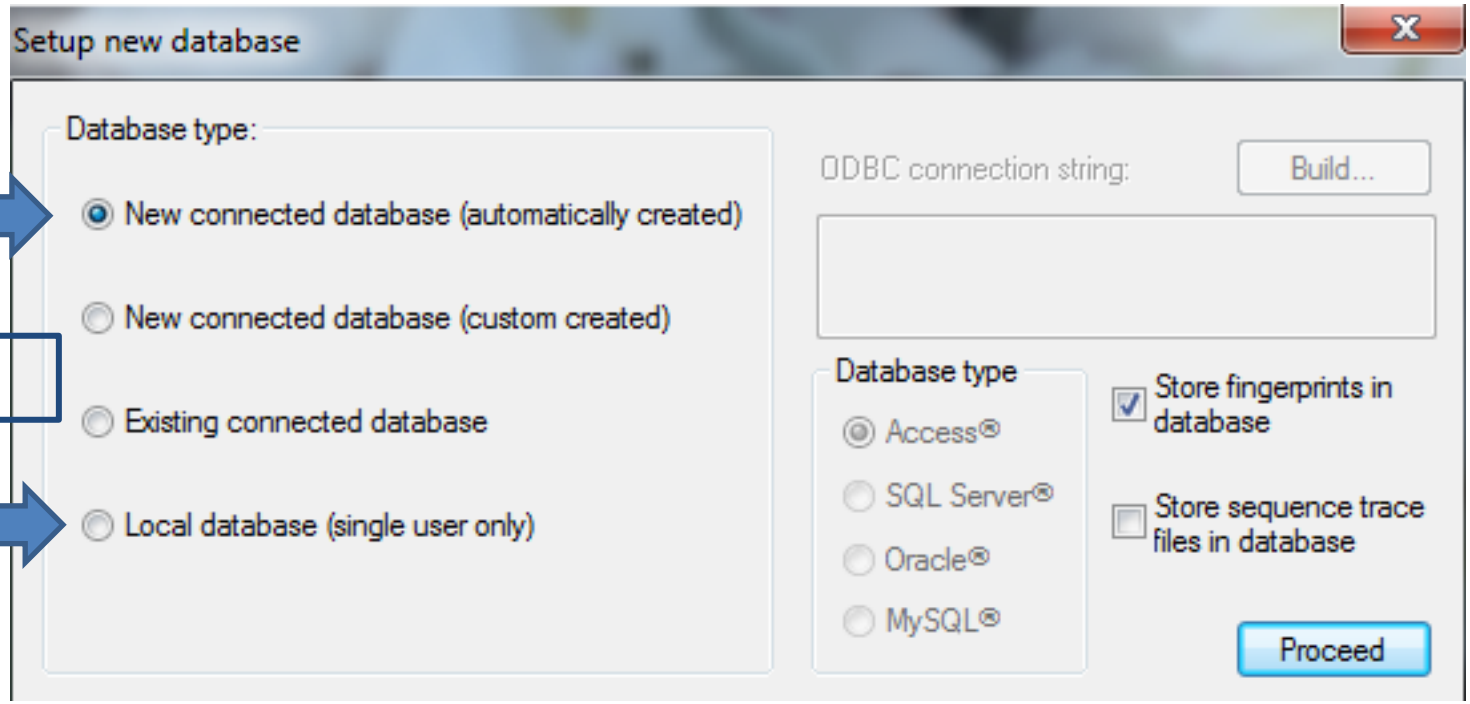
Click "Next"

Step 1: Create a New Database

Change to "Yes"



Step 1: Create a New Database



Make your choice

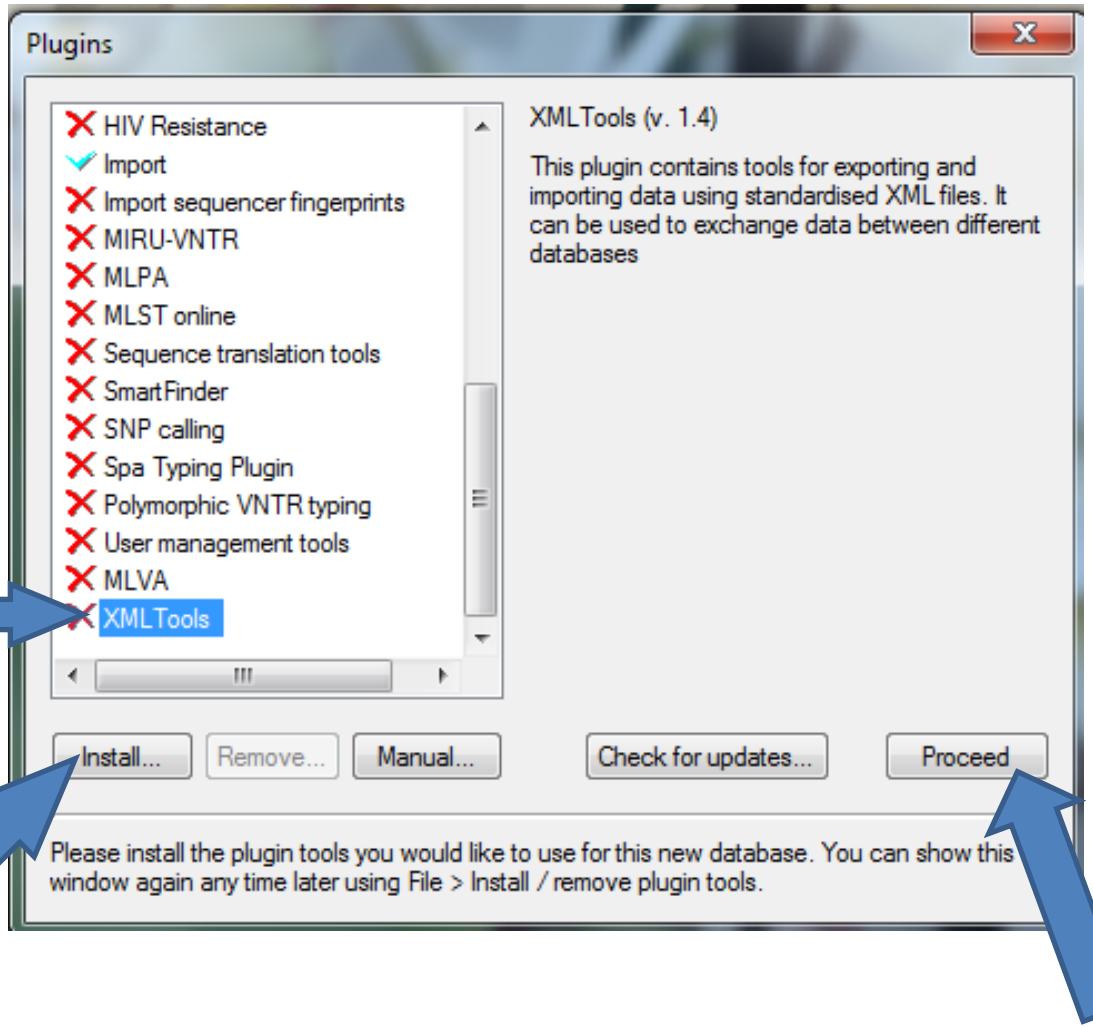
This may depend on the way you have BN installed (network or local)

Click «proceed»

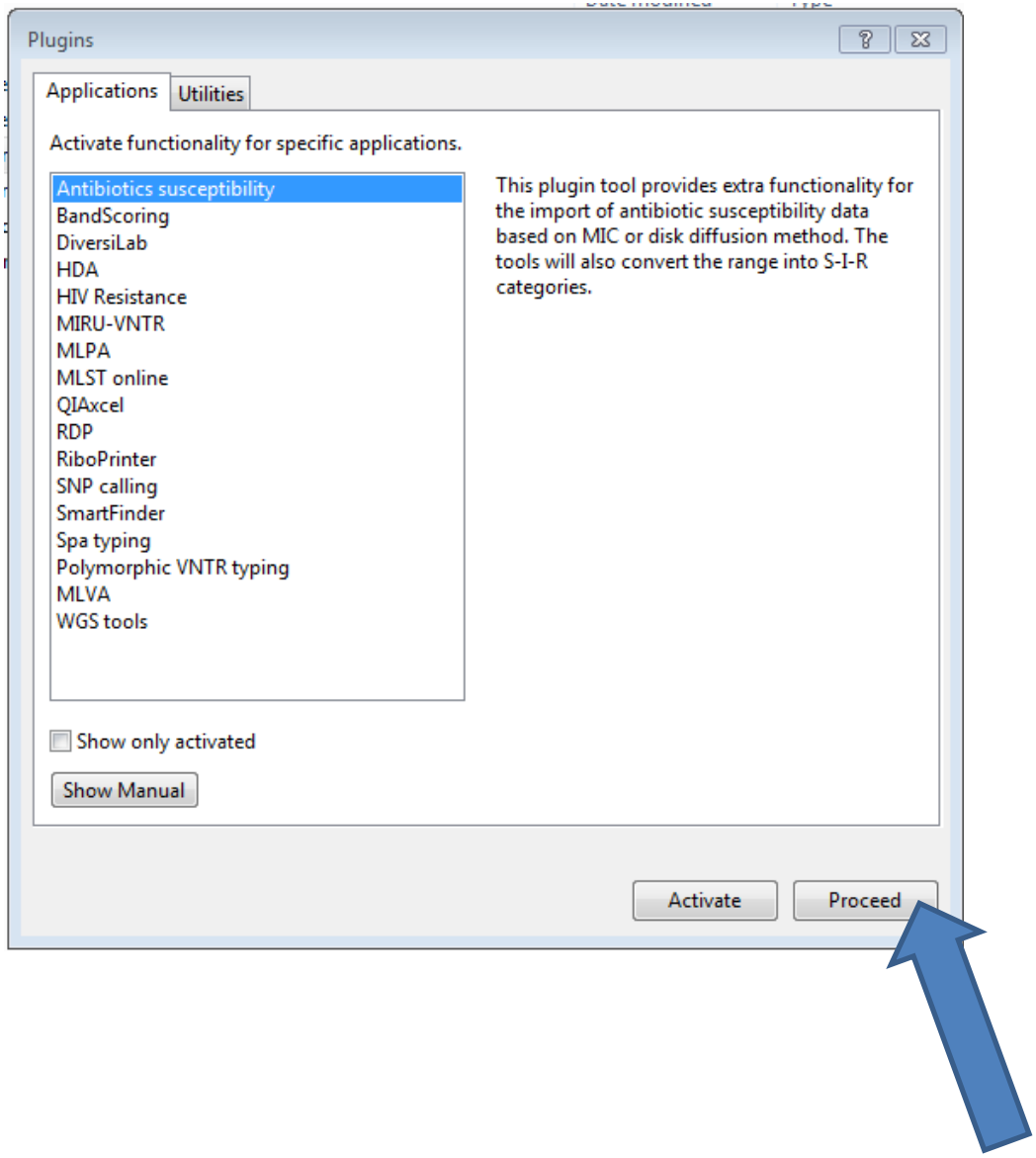
Step 1: Create a New Database

Plug-ins offer additional functionality, such as importing and exporting various types of data

Choose <u>XML Tools</u> Plug-in, and click "Install," then "Proceed"



Step 1: Create a New Database

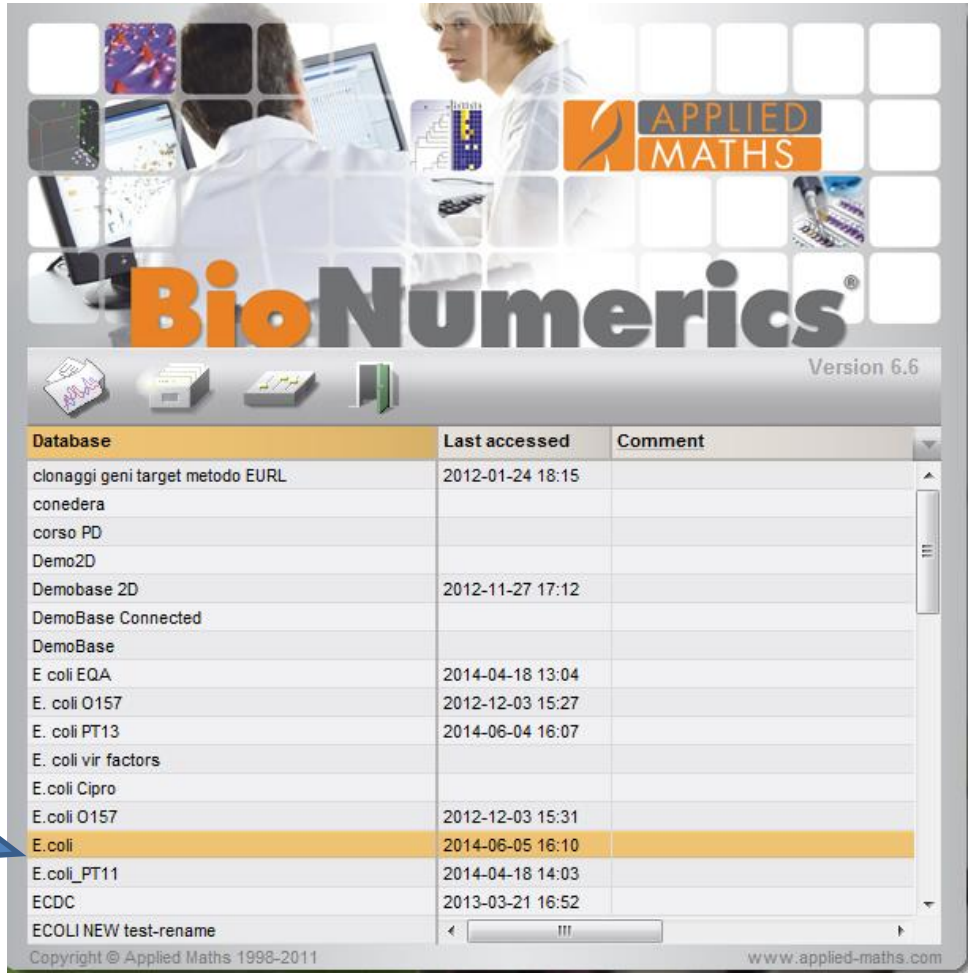


"XML-tools" (import/export) already available

BN 7

Step 1: Create a New Database

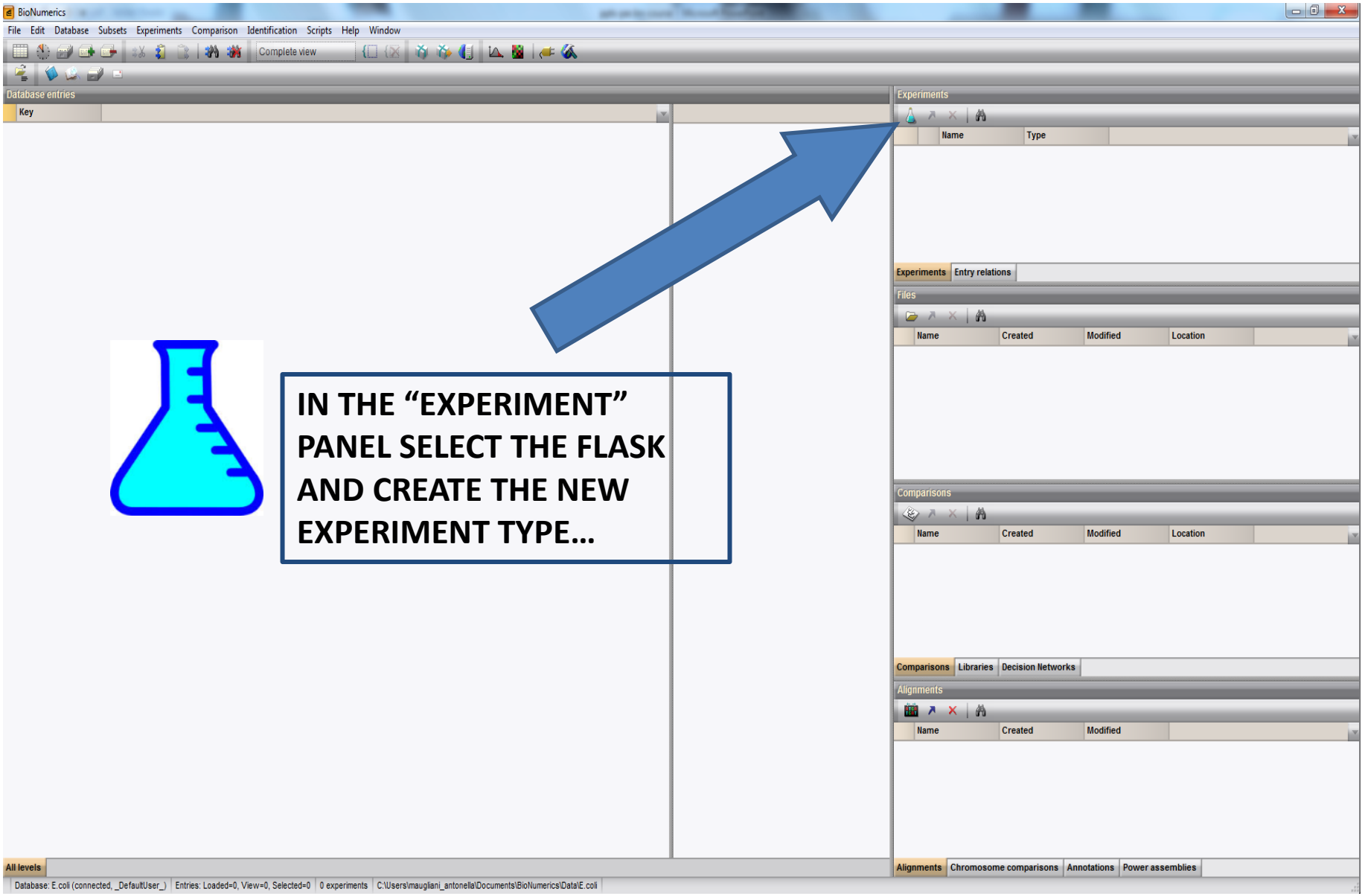
Note that your newly created database is listed



Mind the "logical" naming of the various databases

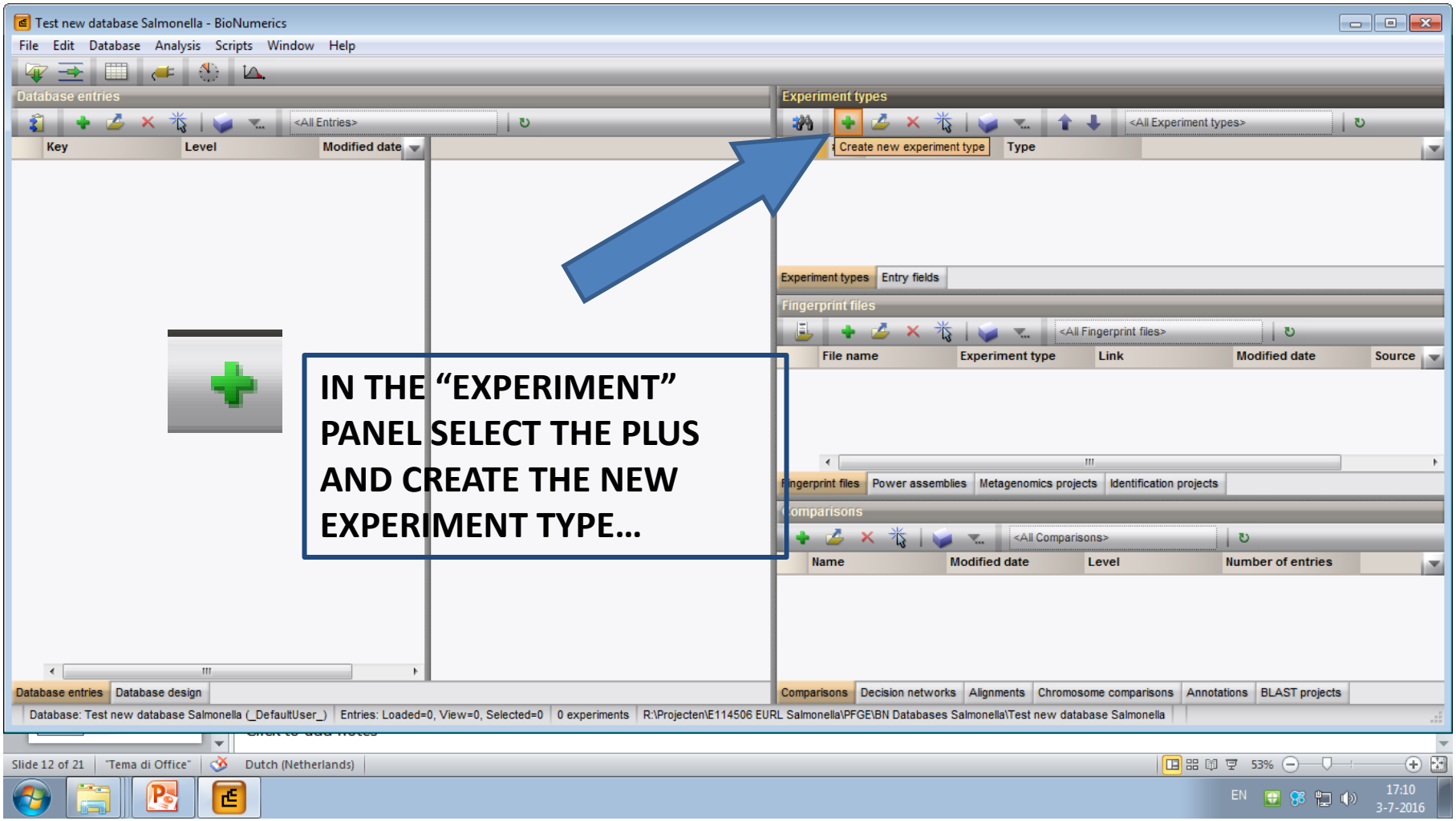
BN 6

Step 2: Experiment type

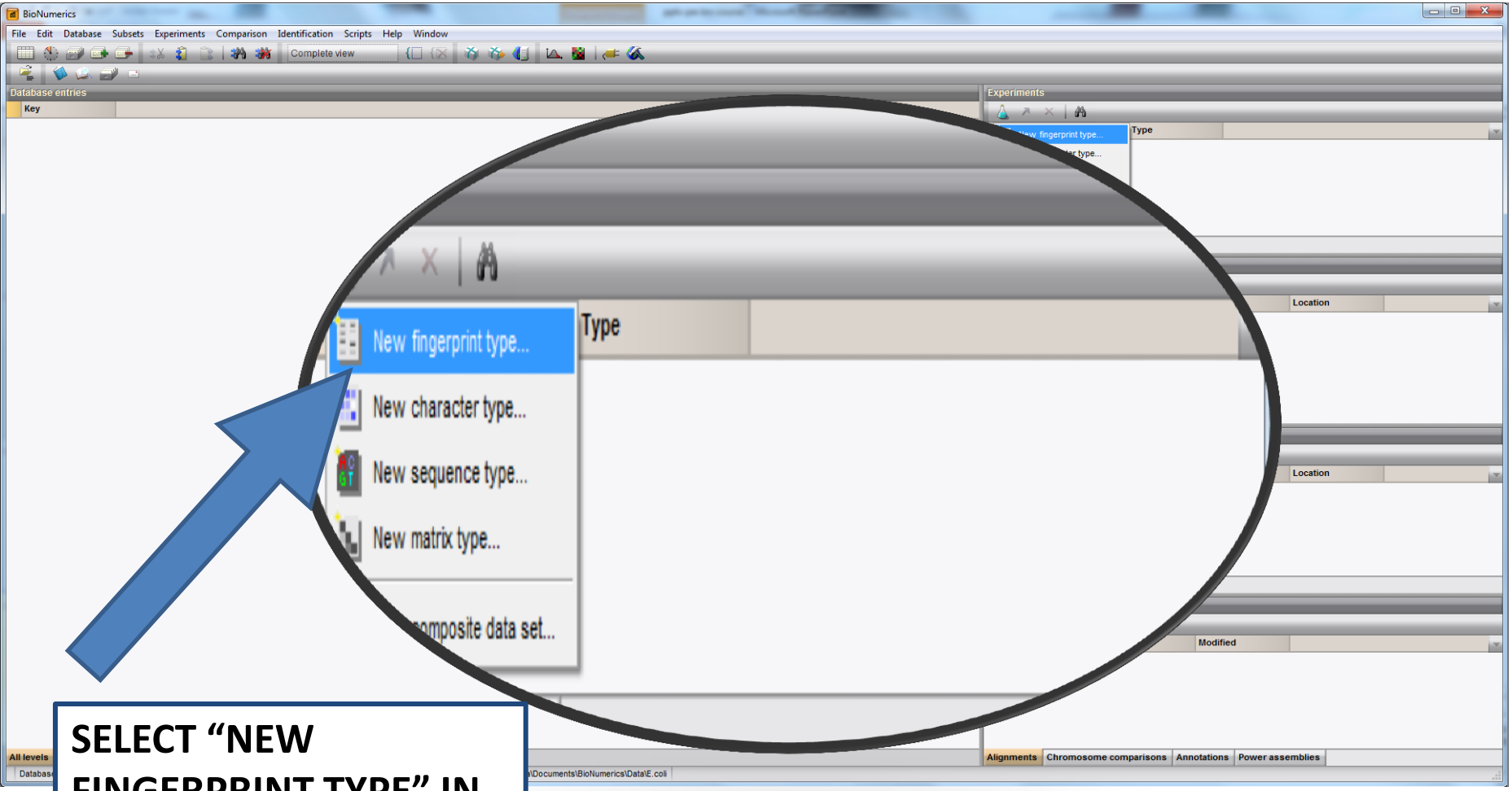


Step 2: Experiment type

BN 7

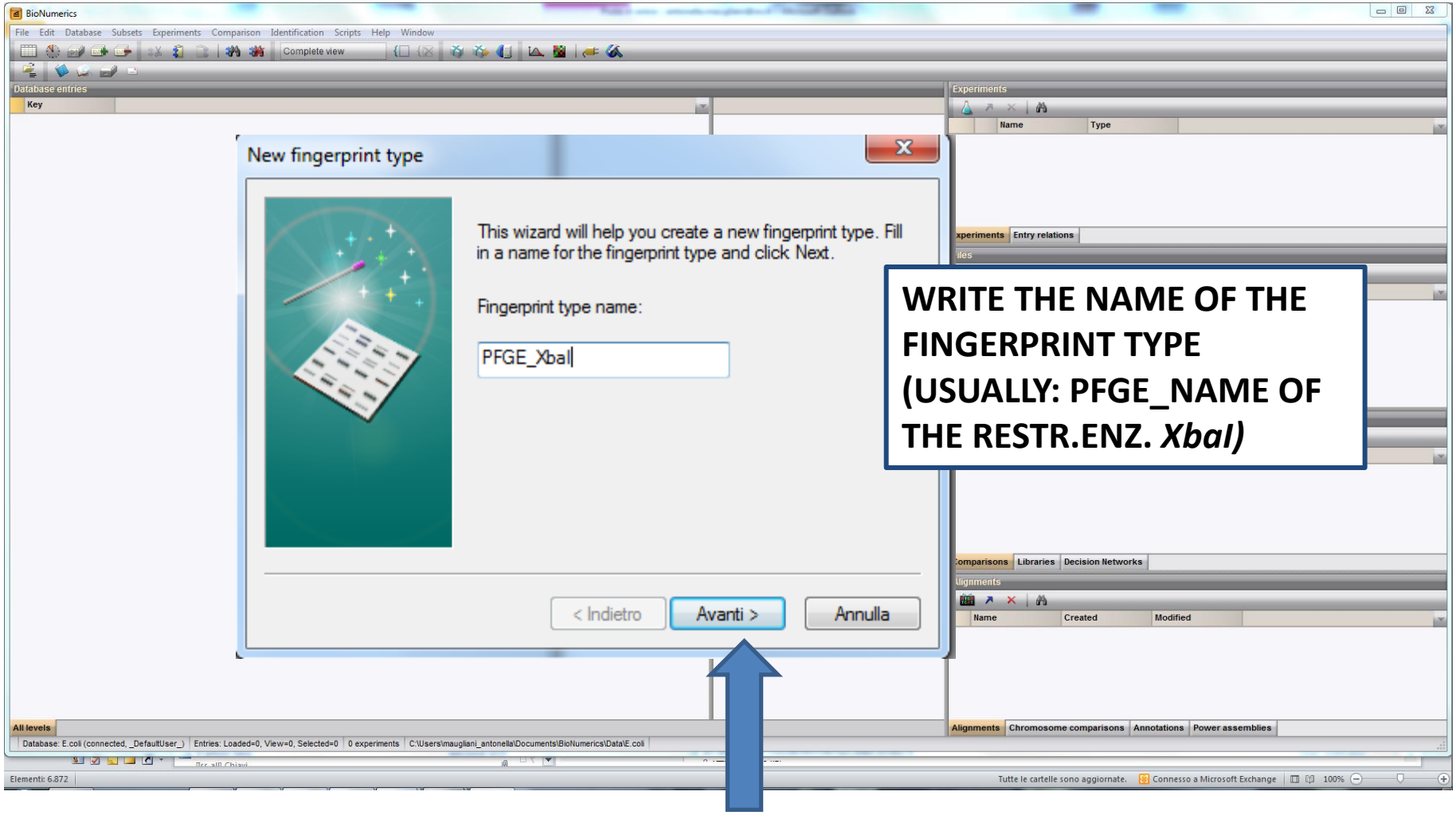


Step 2: Experiment type



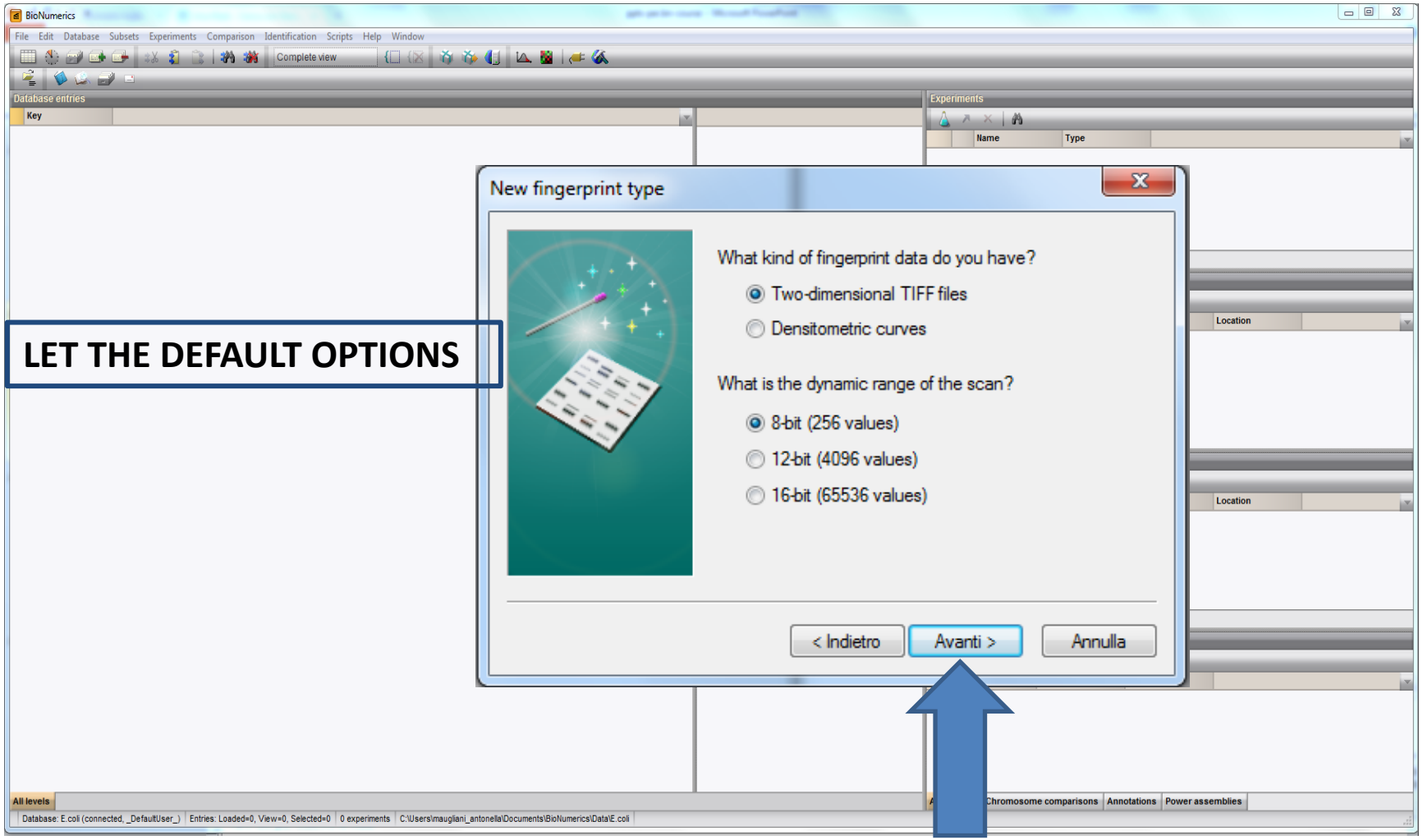
SELECT “NEW FINGERPRINT TYPE” IN EXPERIMENT TYPE…

Step 2: Experiment type

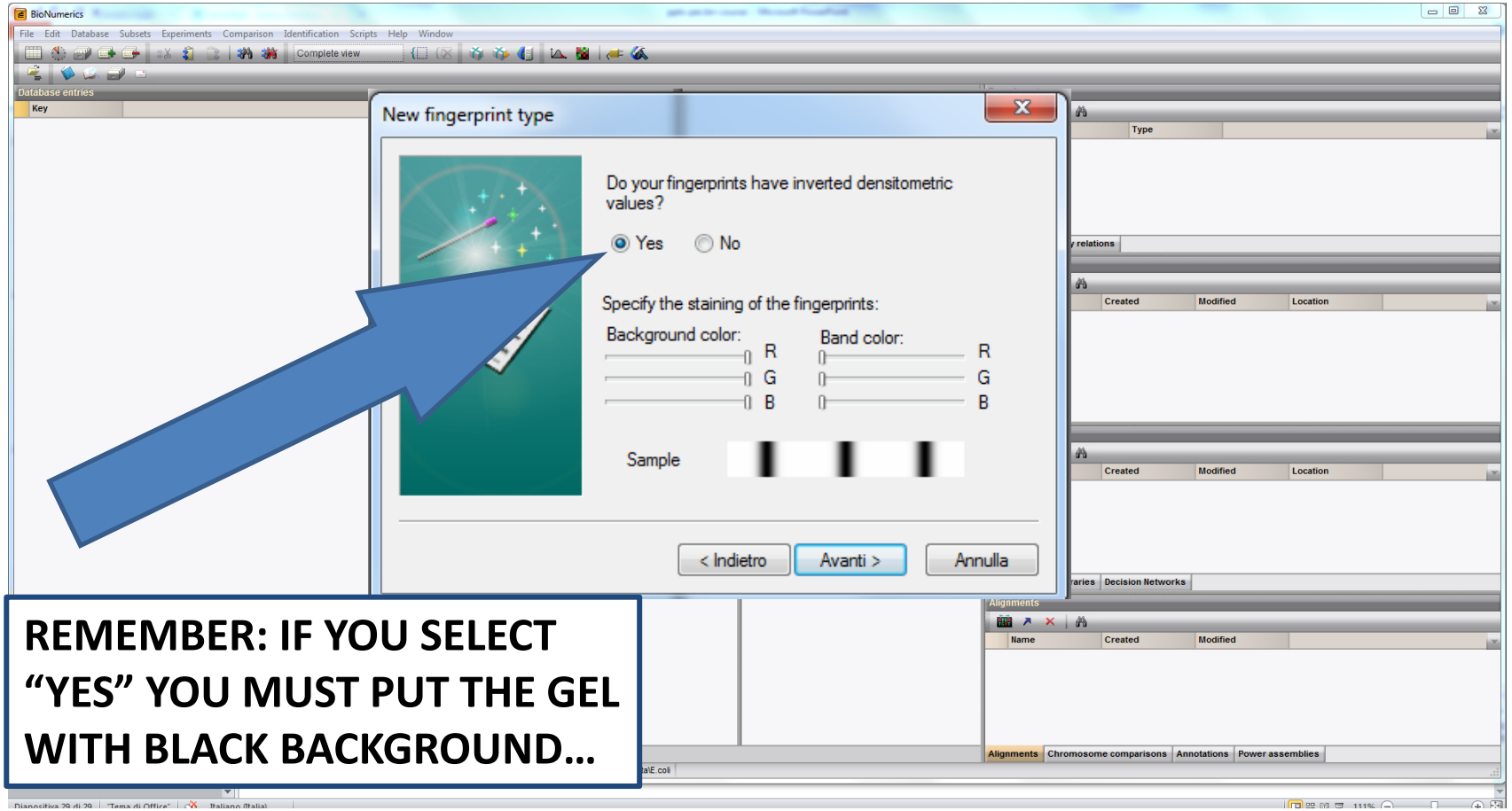


The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

Step 2: Experiment type



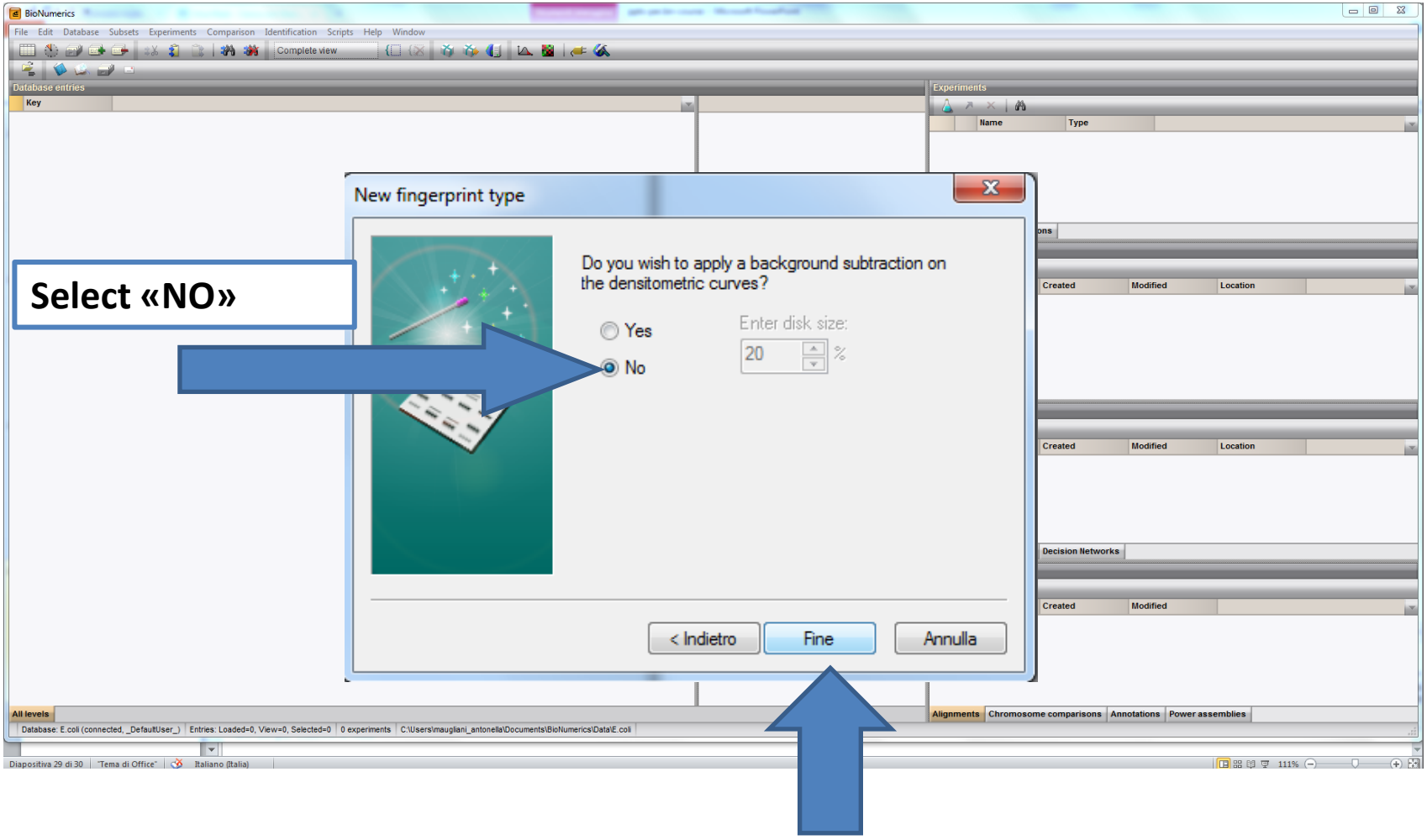
Step 2: Experiment type



REMEMBER: IF YOU SELECT "YES" YOU MUST PUT THE GEL WITH BLACK BACKGROUND…

The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

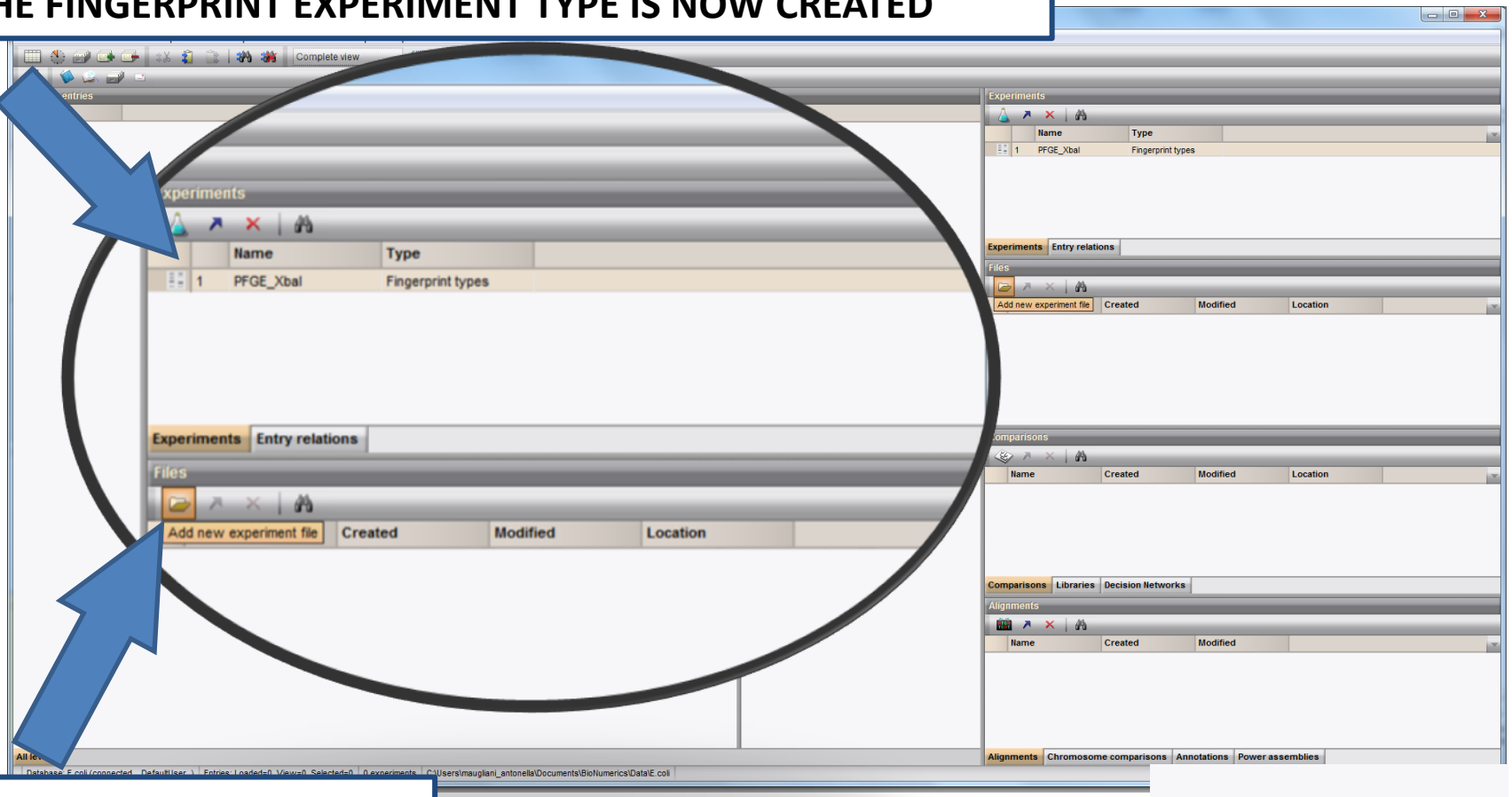
Step 2: Experiment type



Step 2-3 : Experiment type – import TIFF files

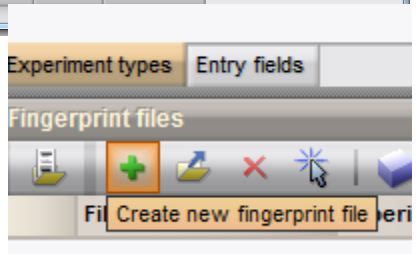
BN 6

THE FINGERPRINT EXPERIMENT TYPE IS NOW CREATED



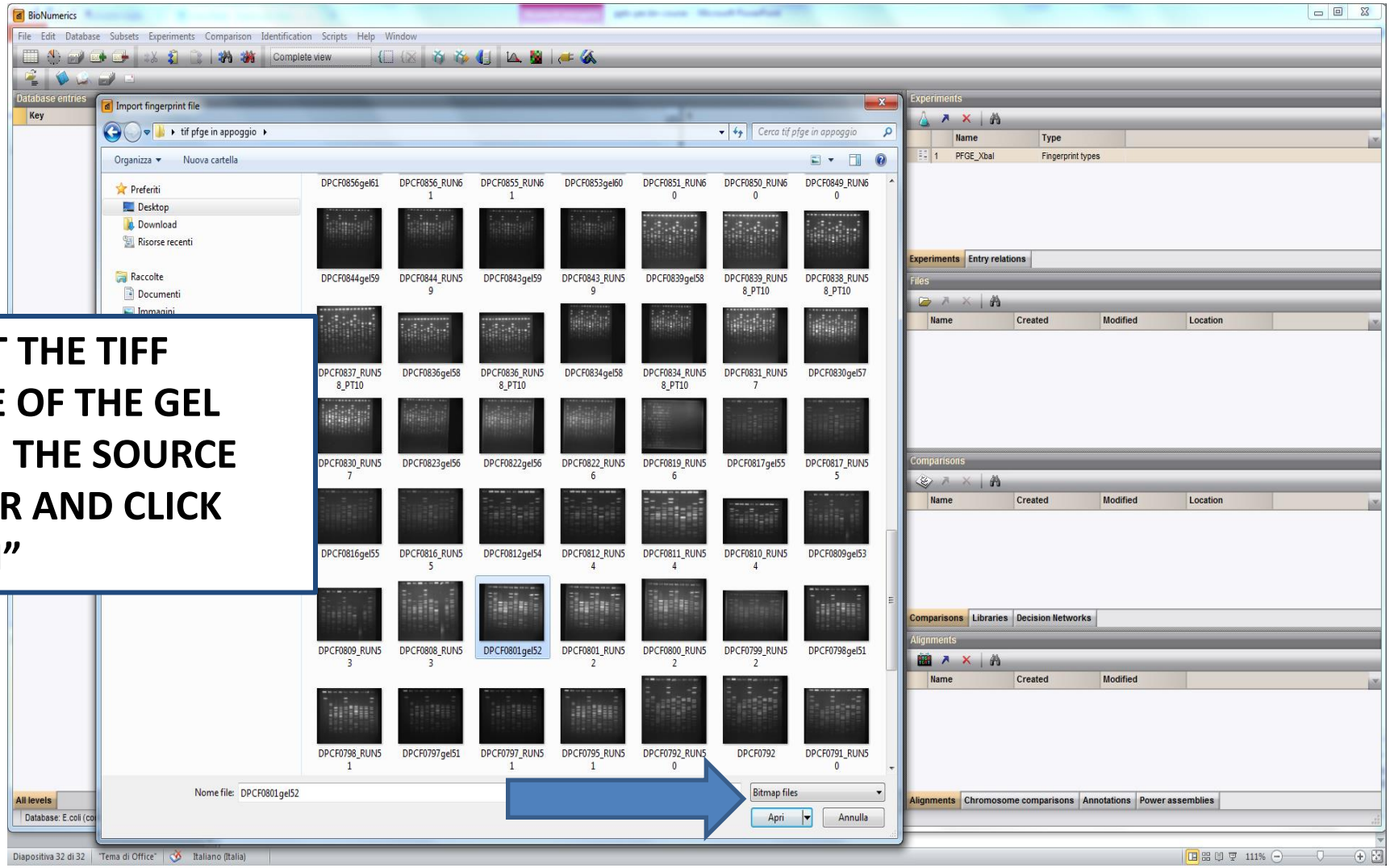
CLICK ON "ADD NEW EXPERIMENT FILE"

BN 7



The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

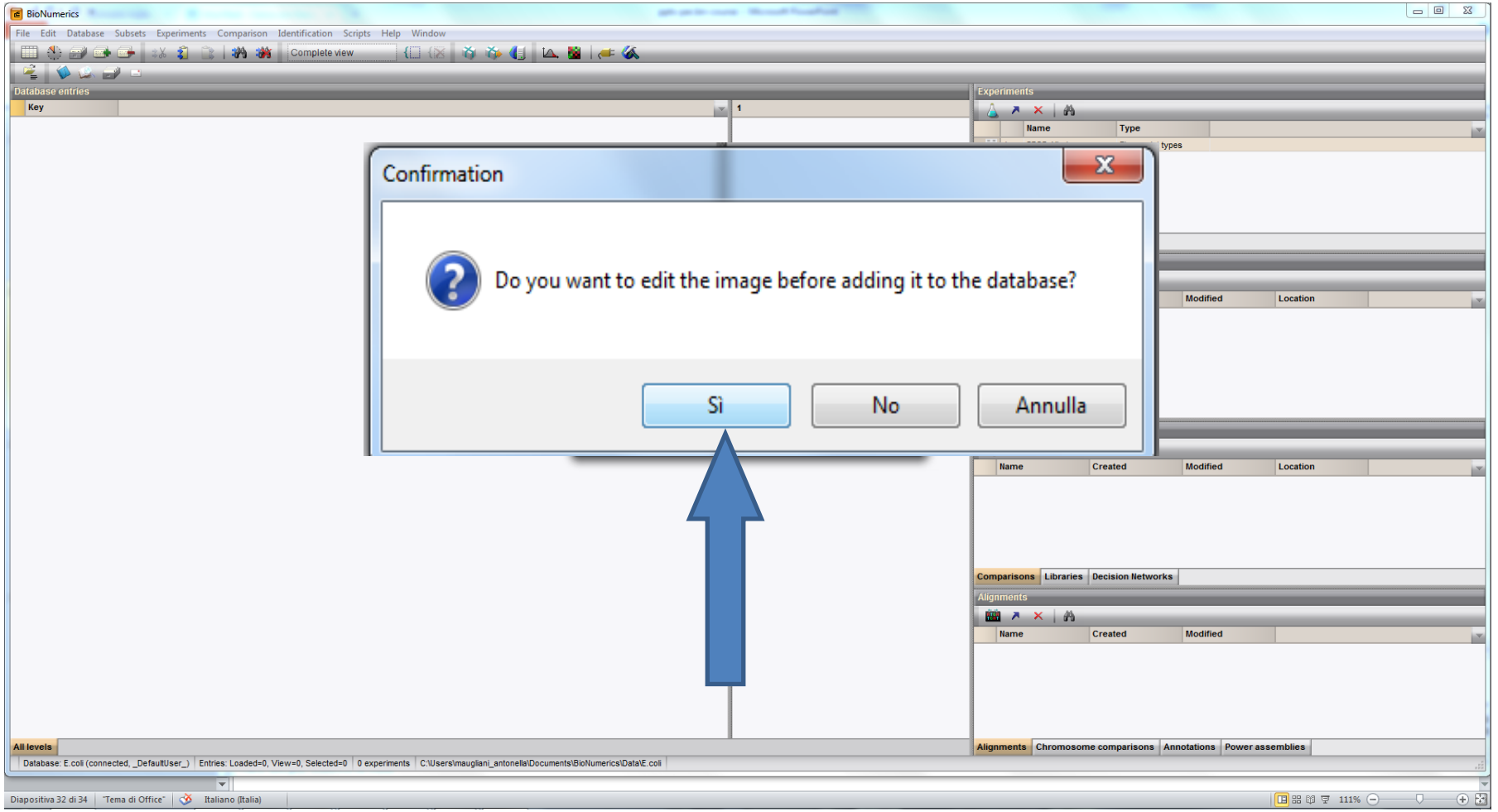
Step 3: Importing TIFF files…



SELECT THE TIFF IMAGE OF THE GEL FROM THE SOURCE FOLDER AND CLICK "OPEN"

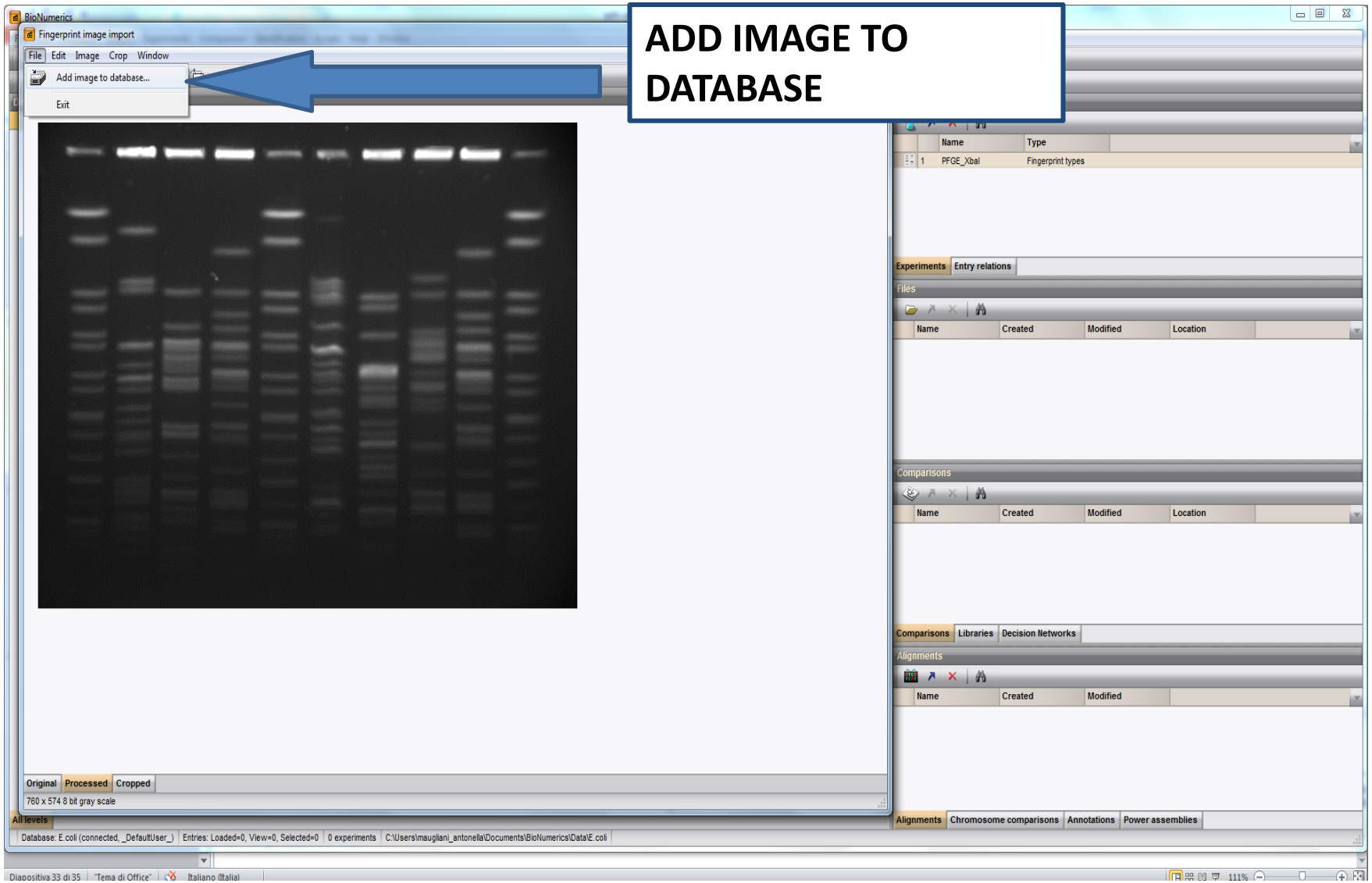
The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

Step 3: Importing TIFF files

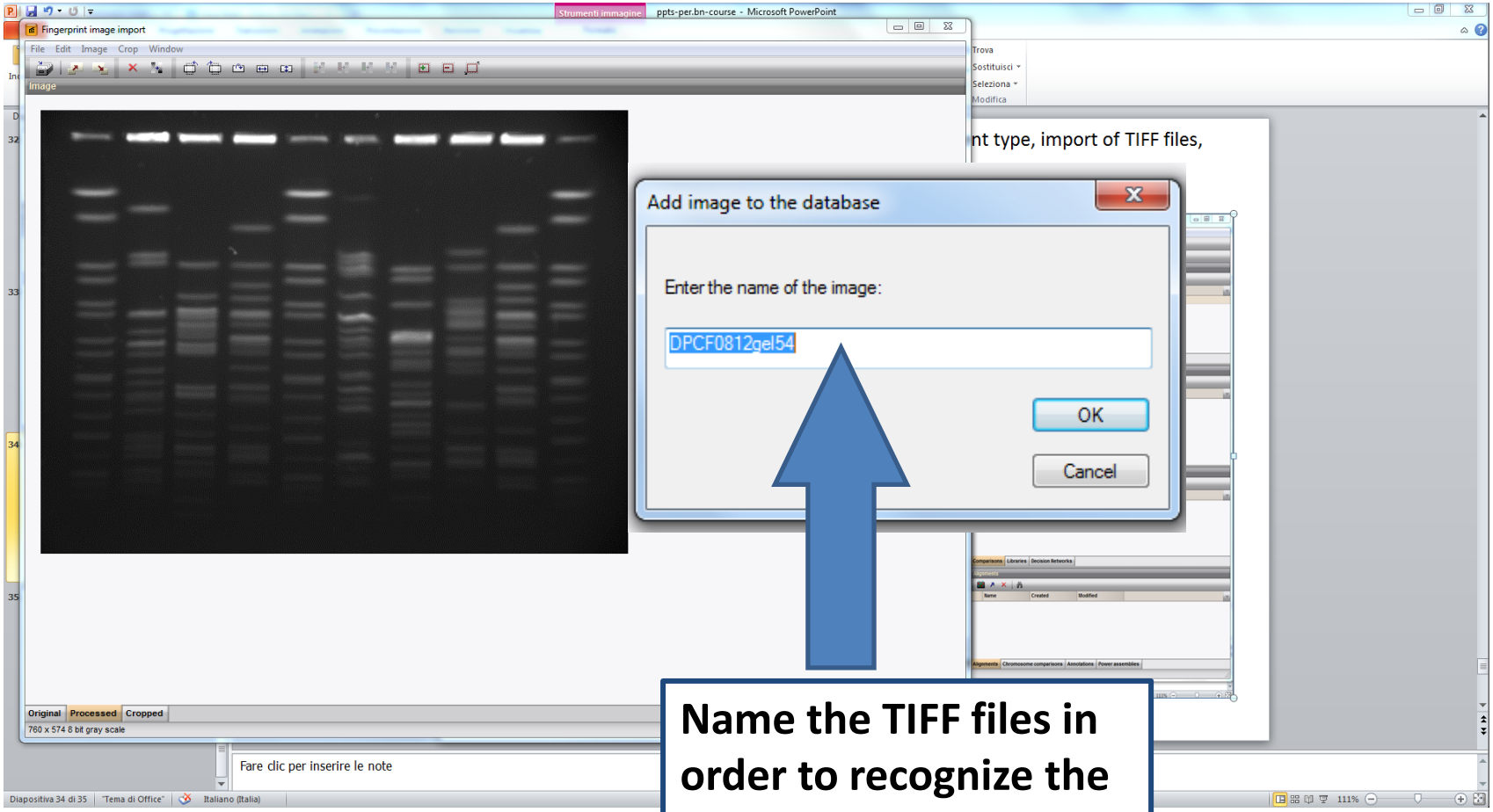


The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

Step 3: Importing TIFF files

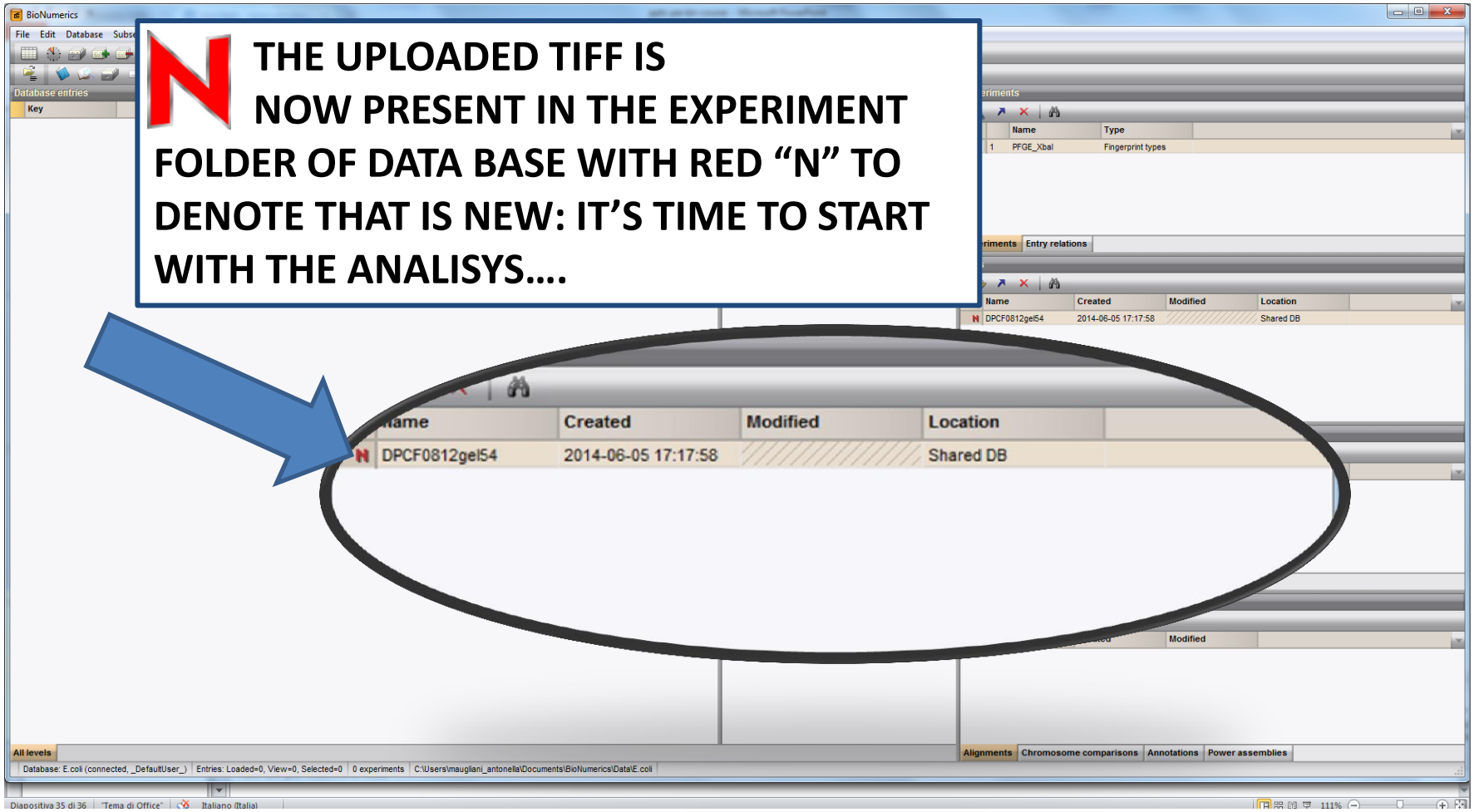


Step 3: Importing TIFF files



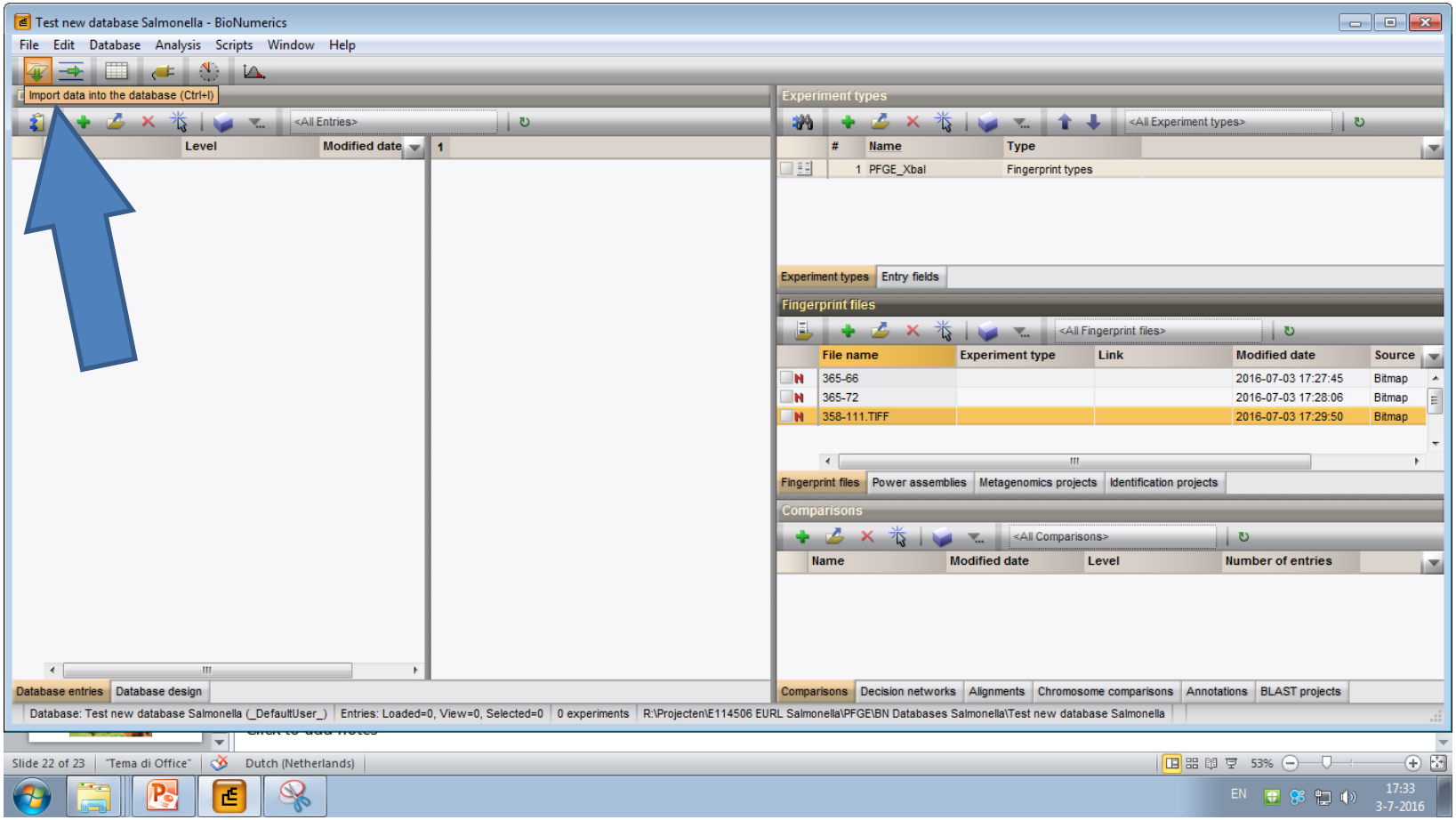
The BioNumerics Software: database creation, experiment type, import of TIFF files, and setting up experiments

Step 3: Importing TIFF files



Step 3 : import TIFF files (alternative way)

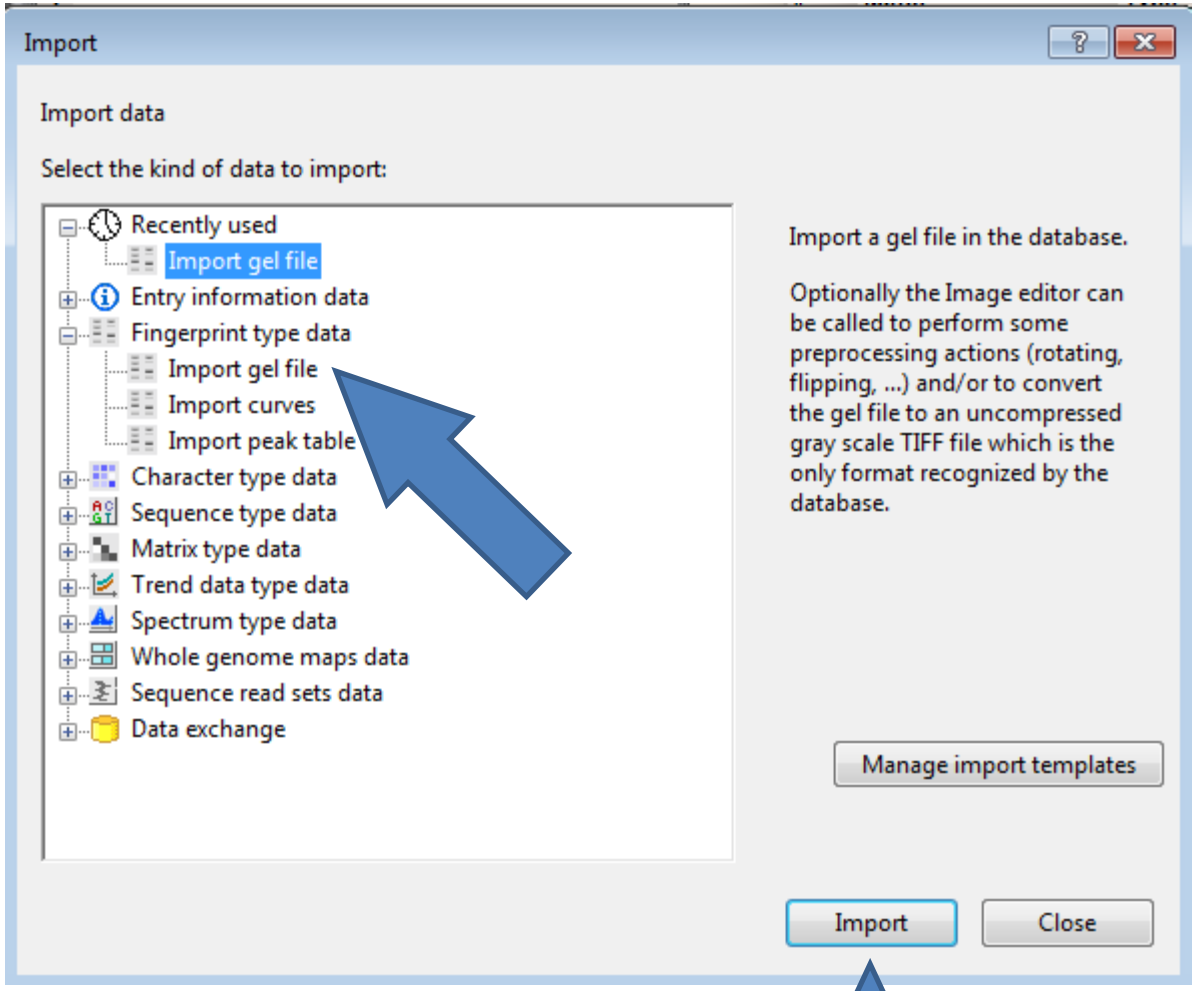
BN 7



CLICK ON
“Import data into the database”

Step 3 : import TIFF files (alternative way)

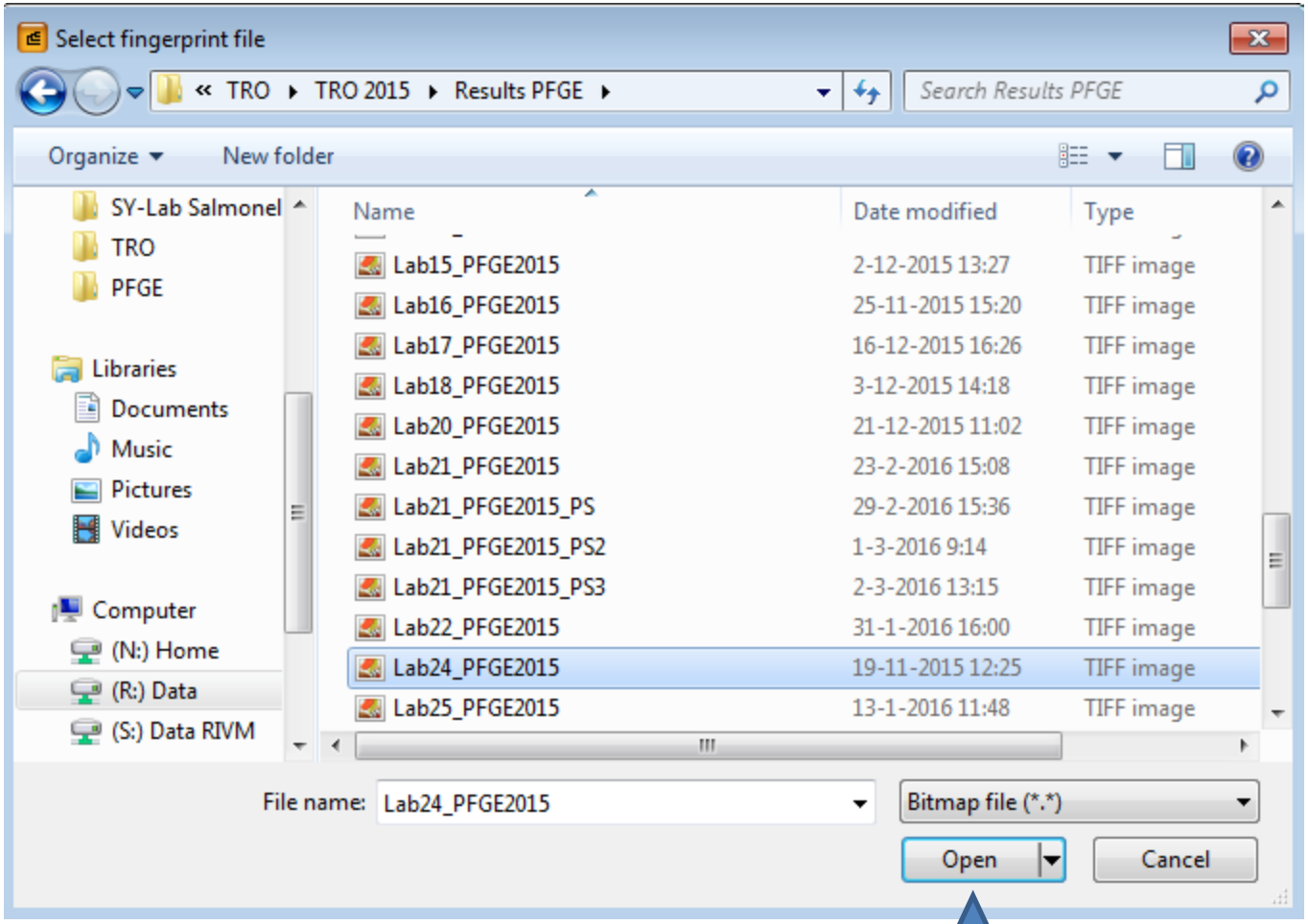
BN 7



CLICK ON
“Import gel file” and “Import”

Step 3 : import TIFF files (alternative way)

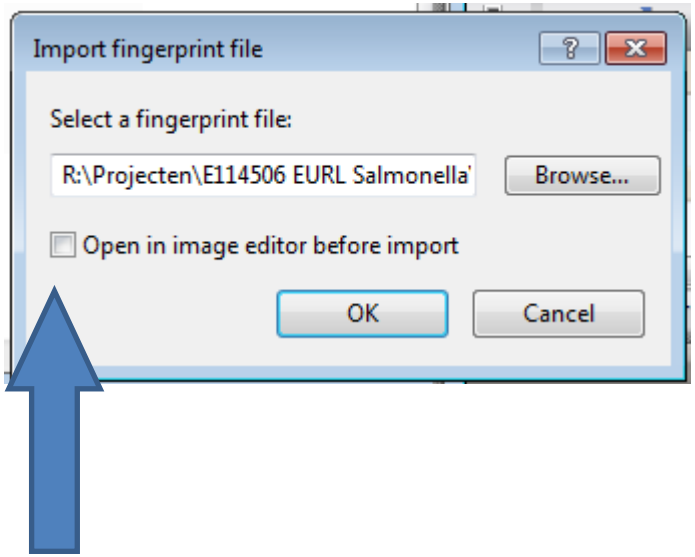
BN 7



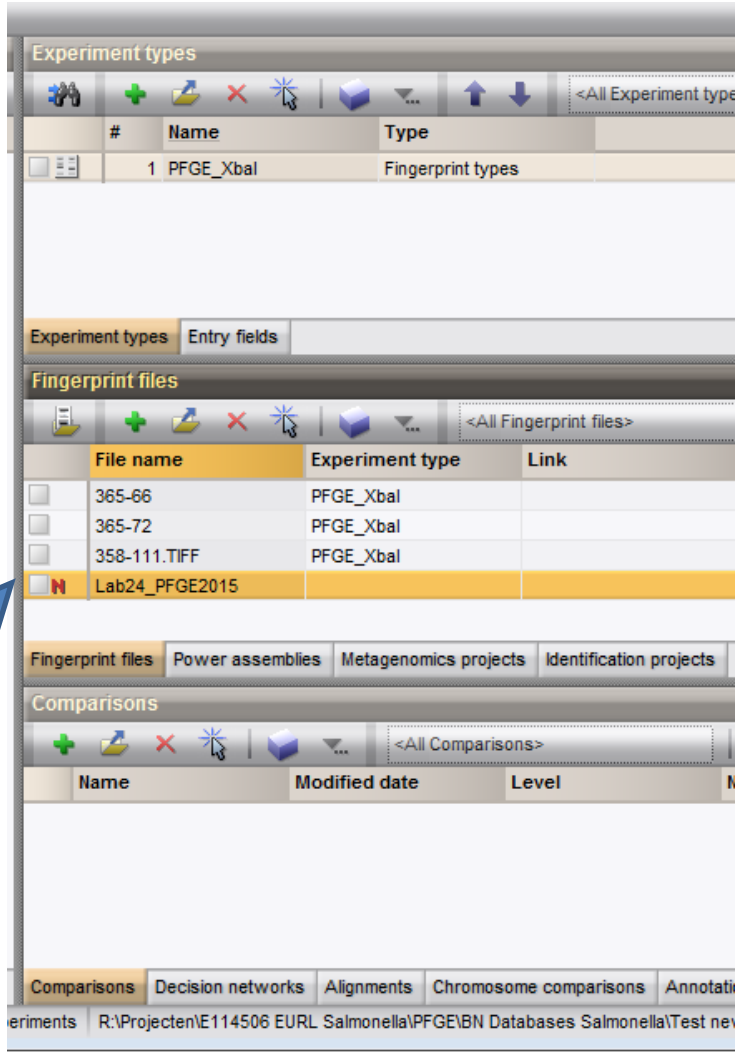
Select tiff file from the correct location and “Open”

Step 3 : import TIFF files (alternative way)

BN 7



It can also be done by de-selecting “open in image editor”



Click “OK” and the file is directly imported and ready for analysis…

THANK YOU VERY MUCH FOR YOUR ATTENTION