```
(***Input identifying information***)
    projType = ToString[Evaluate[Input["Input the projection neuron type (i.e CC or CT)"]]];
    mouse = ToString[Evaluate[Input["Input the mouse identity (e.g. Mouse123)"]]];
    firstSection = ToString[
        Evaluate[Input["Input the number of the first histological section in the series"]]];
    lastSection = ToString[
        Evaluate[Input["Input the number of the last histological section in the series"]]];
    sectRange = Range[firstSection, lastSection];
     In[*]:= laminarFluorPerSection = Table[Drop[Flatten[Import[
           StringJoin["S:/Imaging/Garrett/BCMM EpifluorConfocScope/Other/V1 CCandCTcells/",
            projType, "/", mouse, "/LaminarFluorData/", mouse, "_Section",
            ToString[sectRange[[n]]], ".xlsx"]], 1], 2], {n, 1, Length[sectRange]}];
In[@]:= resol = (Last[laminarFluorPerSection[[1]][[All, 1]]] -
          First[laminarFluorPerSection[[1]][[All, 1]]]) /
        Length[laminarFluorPerSection[[1]][[All, 1]]];
Info]:= (***Median-smooth at 5 um***)
In[*]:= window = Round[5 / resol];
In[*]:= medianSmoothedPerSection =
      Table [Partition [Riffle [ (laminarFluorPerSection [ [n] ] ) [ [All, 1] ],
          Moving Map [Quantile[\#, 1/2] \&, (laminarFluorPerSection[[n]])[[All, 2]],
           window, "Reflected"]], 2], {n, 1, Length[sectRange]}];
     (***Check that all sections go up to at least 150 um***)
log_{in[-i]} = Manipulate[ListLinePlot[medianSmoothedPerSection[[n]], PlotRange <math>\rightarrow All],
      {n, 1, Length[sectRange], 1}]
ln[*]:= Table[Last[medianSmoothedPerSection[[n]][[All, 1]]], {n, 1, Length[sectRange]}]
In[*]:= (****Truncate all lists at 150 um***)
In[@]:= truncPoint = Round[150 / resol];
Inf | ]:= medianSmoothedPerSectionTrunc =
      Table[Take[medianSmoothedPerSection[[n]], truncPoint], {n, 1, Length[sectRange]}];
In[*]:= (***Normalize all lists to max fluorescence***)
Info ]:= maxFluor = Max[Flatten[
         Table [median Smoothed Per Section Trunc [[n]] [[All, 2]], \{n, 1, Length [sectRange]\}]]]; \\
Inf | ]:= medianSmoothedPerSectionTruncNorm =
      Table Partition Riffle medianSmoothedPerSectionTrunc[[n]][[All, 1]],
          medianSmoothedPerSectionTrunc[[n]][[All, 2]] / maxFluor],
         2], {n, 1, Length[sectRange]}];
```