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    (**Input identifying information**)

In[ ]:= date = ToString[Evaluate[Input["Input the date of the experiment"]]]

In[ ]:= mouse = ToString[Evaluate[Input["Input the mouse identity (e.g. Mouse123)"]]]

In[ ]:= sessionNum = Evaluate[Input["Input the session number"]]

    (**dFF for cell bodies should be in a folder
    called "/dFOverF0TimeSeries_CellBodies_Unfilt/"**)

In[ ]:= numROIsCBs = Length[
    FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date, "/", mouse,
        "/Session", ToString[sessionNum], "/dFOverF0TimeSeries_CellBodies_Unfilt/"]]]];

In[ ]:= Table[Evaluate@ToExpression[StringJoin["dFFtimeseriesCB", ToString[n]]] =
    ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date, "/",
        mouse, "/Session", ToString[sessionNum], "/dFOverF0TimeSeries_CellBodies_Unfilt/",
        date, "_", mouse, "_Session", ToString[sessionNum], "_",
        "dFOverF0ts_ROI", ToString[n], ".txt"], "List"]]; {n, 1, numROIsCBs}];

    (**dFF for axons should be in a folder called "/dFOverF0TimeSeries_Axons_Unfilt/"**)

In[ ]:= numROIsAxons =
    Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date, "/",
        mouse, "/Session", ToString[sessionNum], "/dFOverF0TimeSeries_Axons_Unfilt/"]]]];

In[ ]:= Table[
    Evaluate@ToExpression[StringJoin["dFFtimeseriesAxon", ToString[n]]] = ToExpression /@
    Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date, "/", mouse,
        "/Session", ToString[sessionNum], "/dFOverF0TimeSeries_Axons_Unfilt/", date,
        "_", mouse, "_Session", ToString[sessionNum], "_", "dFOverF0ts_ROI",
        ToString[n], ".txt"], "List"]]; {n, 1, numROIsAxons}];

In[ ]:= (*****)

In[ ]:= Table[Evaluate@ToExpression[StringJoin["dFFCB", ToString[n]]] =
    (ToExpression[StringJoin["dFFtimeseriesCB", ToString[n]]])[[
        All, 2]]]; {n, 1, numROIsCBs}];

In[ ]:= Table[Evaluate@ToExpression[StringJoin["dFFAxon", ToString[n]]] =
    (ToExpression[StringJoin["dFFtimeseriesAxon", ToString[n]]])[[
        All, 2]]]; {n, 1, numROIsAxons}];

In[ ]:= (*****)

In[ ]:= CreateDirectory[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date,
    "/", mouse, "/Session", ToString[sessionNum], "/", "dFFsCellBodies/"]];

In[ ]:= Table[Export[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date, "/", mouse, "/Session",
    ToString[sessionNum], "/dFFsCellBodies/", "dffcB_", "ROI", ToString[n], ".mat"],
    ToExpression[StringJoin["dFFCB", ToString[n]]]], {n, 1, numROIsCBs}];

In[ ]:= (***)

In[ ]:= CreateDirectory[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    date, "/", mouse, "/Session", ToString[sessionNum], "/", "dFFsAxons/"]];

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In[ ]:= Table[Export[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/", date, "/", mouse, "/Session",  
ToString[sessionNum], "/dFFsAxons/", "dffAxon_", "ROI", ToString[n], ".mat"],  
ToExpression[StringJoin["dFFAxon", ToString[n]]]], {n, 1, numROIsAxons}];
```