Feature suggestion list

A list of features, capabilities, functions, steps, code etc that should be included in the final release of PACMan and PAMalysis.

Suggestions are divided up into major and minor features, based on estimated workload and how drastic changes are.

Name:

Motivation:  
Workload:  
Priority:

# PACMan

## Major

Name: Integrate Cetoni pump control

Motivation: By adding support for Cetoni SDK functionality the pumps can theoretically be controlled by PACMan, allowing an operator to create flow profiles using PACMan. This would require the addition of another tab in the GUI.  
Workload: 7/10  
Priority: 3/10

Name: Add autofocus tuning

Motivation: Knowing what autofocus value to choose is really hard and depends greatly on experimental setup. By adding a function to A: make a focus stack and then print out given response values for that the autofocus could become more precise  
Workload: 5/10  
Priority: 5/10

## Minor

Name: Help/About window

Motivation: Create an “about” window that details the software, who made it, year etc, preferably selectable in the GUI  
Workload: 3/10  
Priority: 2/10

# PAMalysis

## Major

Name: Uneven illumination compensation

Motivation: A large amount of data needs to be discarded from 10x images due to gaussian point spread (illumination unevenness/intensity decay). By compensating this with post-experimental computed measures in PAMalysis, data quality and generation can be significantly increased.  
Workload: 7/10  
Priority: 8/10

## Minor