

# Introduction to PMA.control

PMA.control is a dedicated tool for building, training, re-training, tuning and testing of **histopathologic tests or scoring systems**.

PMA.control is intended for use at departments of pathology, research institutes, universities and quality control organisations.

It is intended for use by students, scientists and teachers in (bio-)medical science, histology, cytology, histopathology.

You can use it for

- design, development and validation of new scoring algorithms/systems
- training and retraining a scoring algorithm/system
- tuning for an existing scoring algorithm/system (e.g. HER2 scoring system)
- ring studies and surveys

PMA.control can guide you through the whole process from design to validation of a scoring method.

In the pma.control software four roles have been defined:

- user / trainee: you are a participant in a session that was setup for you.
- **trainer / supervisor**: you are leading a session. You can guide all the participant through the training from start to end
- project owner: you can setup a project and sessions. You can add content to the project and facilitate sessions, from invitations of participants to facilitate analysis of all data captured during the sessions in your project(s).
- administrator: you are responsible for the complete setup of the pma.control software. You are responsible for all user administration including role-assignment.

Suggested reading:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3795863/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6927897/>

<https://www.nature.com/articles/s41374-018-0057-0>

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