

Abstract Evaluation Guidelines for Reviewers

Abstract evaluation is to be completed via the online peer review system. All abstracts must be evaluated electronically no later than:

Evaluation Deadline: DD MMM YYYY

Guidelines:

1. After logging in to the Portal use the “Enter Abstract Review” button to access the review platform
2. Select a topic from the drop-down list **(1)**.
3. Select an abstract to review from the left column **(2)**. Contents will open in the “Abstract Details” tab **(3)**.
4. Submit your score in the “Score” tab **(4)** and click on the “Save” button to save it/ “Clear” button to delete it **(5)**.
5. Once the score is saved, it will be displayed in the topic overview column **(6)**
6. You can sort and filter the abstracts **(7)**, print all abstracts from the currently open topic **(8)** or just the abstract currently being viewed **(9)**.
7. Two progress bars show how many abstracts have been scored within the particular topic **(10)** and overall **(11)**.

The screenshot shows the abstract evaluation interface with the following numbered callouts:

- 1:** Topic selection dropdown menu.
- 2:** Abstract list table.
- 3:** Abstract Details tab.
- 4:** Score tab.
- 5:** Save and Clear buttons.
- 6:** Progress bar for the selected topic.
- 7:** Sort and Filter controls.
- 8:** Print button for the current abstract.
- 9:** Print button for the current abstract (top right).
- 10:** Progress bar for the selected topic (left).
- 11:** Overall progress bar and score (top right).

Abstract Title	Author(s)	Topic	Status
The project NEPTUNE (Nuclear process-driven Enhancement of Proton)	Cuttone, Giacomo	PTC58-0419	4
Radiographer led daily cone beam CT anatomical match and online	Boon, Cheng	PTC58-0414	1
Survival and radiation damage analysis of human skeletal muscle cells after	Cicchetti, Alessandro	PTC58-0362	COI
Quantifying DNA Damage in Comet Assay images using Neural Networks	Dhinsey, Selina	PTC58-0304	1
Monte Carlo simulation of a multi-source, flat-panel-detector, digital	Primidis, Thomas	PTC58-0291	
Proton therapy: A Malaysian perspective	Ying, C. K.	PTC58-0039	

Abstract Details (PTC58-0304):

Presenting Author: Dhinsey, Selina

Author(s): S. Dhinsey¹, T. Greenshaw¹, J. Parsons², C. Welsch¹

Institute(s): ¹University of Liverpool, Department of Physics, Liverpool, United Kingdom
²University of Liverpool, Institute of Translational Medicine, Liverpool, United Kingdom

Presentation Preference: Oral

Abstract Text:
Proton therapy for cancer treatment is a rapidly growing field as increasing evidence suggests it induces more complex damage in DNA than photons. Accurate comparison between the two requires quantification of the damage caused, one method being the comet assay. The program discussed here, based on neural network architecture, aims to speed up analysis of comet assay images and provide accurate assessment of the DNA damage levels apparent in them.

The comet assay is an established technique in which DNA strand breaks are spread out, creating a comet-like object, Figure 1. The elongation and intensity of the comet tail indicate the level of damage incurred. Many methods to measure damage exist, from “by eye”

Score: 4

Abstract Evaluation:

- 1. Reject
- 2. Marginal for Poster
- 3. Poster
- 4. Marginal for Oral
- 5. Oral

Comment:

Buttons: Save (5), Clear (X)