**DOTTORATO DI RICERCA IN
BIOINGEGNERIA E BIOINFORMATICA**

UNIVERSITA' DI PAVIA

IL COORDINATORE

PhD THESIS EVALUATION FORM
Confidential to the PhD Final Evaluation Committee

Year**	**2024**
PhD Student	**Alessandro De Carlo**
Reviewer	**Benjamin Ribba**
Reviewer Affiliation	**Industry**
Date of the review	**17.12.2024**

Title of the PhD thesis*	**Reinforcement Learning and PK/PD modelling for precision dosing**

Overall Assessment. Please suggest a possible outcome of the evaluation among the choices:

☐ PhD thesis not ready to be defended;
☐ PhD awardable;
☐x PhD awardable *cum laude* (top 10%)

Evaluation Table 1 of 2 (Please tick as appropriate: 4 – Excellent, 3 – Very Good, 2 – Good, 1 – Fair, 0 – Poor,Not App: Not Applicable). Please add a short comment if the evaluation is Fair or Poor

Scientific soundness and significance	4	3	2	2	0	Not App	Comment
Wide relevance/interest of the research theme	X						
Objectives well defined and scientifically supported		X					**It would have been interesting to have a deeper reflection on the specific pain points the work is trying to address**
Adequacy of the methodological approach		X					**More exhaustive landscaping of RL approaches beyond QL would have been beneficial**
Quality of the experimental setup		X					**Similarly, more exhaustive list of methods and experimental setups would have been beneficial**
Novelty of the approach	X						
Contribution to knowledge in the field	X						
Quality of the results	X						
Discussion and conclusions valid and properly supported		X					**It would have been interesting to further discuss the results and conclusions from the angle of applicability and limitations**

Evaluation Table 2 of 2 (Please tick as appropriate: 4 – Excellent, 3 – Very Good, 2 – Good, 1 – Fair, 0 – Poor, Not App: Not Applicable). Please add a short comment if the evaluation is Fair or Poor

Written Document	4	3	2	1	0	Not App	Comment
Quality of the Abstract (is it exhaustive?)	X						
Document organization. Suitable balance of he component parts of the thesis	X						
Adequacy of the references	X						
Clarity	X						
Communication effectiveness	X						
Properly supported discussion and conclusions	X						

Comments/Notes

Please add here any further comments/notes that might be useful to the PhD Candidate for improving the final version of the thesis.

PLEASE NOTE THAT THE FOLLOWING SECTION WILL BE FORWARDED TO THE PhD CANDIDATE

Use additional pages if needed