TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO   **ID CODE 4895**

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di di Matematica Federigo Enriques**

Scientist- in – charge: *Prof. Paolo Stellari*

Ogier (Okke) van Garderen

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	van Garderen
Name	Ogier (Okke)
Date of birth	29, January, 1994

PRESENT OCCUPATION

Appointment	Structure
PhD student	University of Glasgow, Department of Mathematics and Statistics

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	BSc. Mathematics, BSc. Physics & Astronomy	University of Amsterdam	2014
Specialization	N/A	N/A	N/A
PhD	Mathematics	University of Glasgow	2021 (expected)
Master	Mathematical Physics	University of Amsterdam	2016
Degree of medical specialization	N/A	N/A	N/A
Degree of European specialization	N/A	N/A	N/A
Other	N/A	N/A	N/A

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
N/A	N/A	N/A

FOREIGN LANGUAGES

Languages	level of knowledge
English	native speaker
Dutch	native speaker

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020	JSPS Fellowship for research in Japan (short-term), May 2021-November 2021

TRAINING OR RESEARCH ACTIVITY

description of activity
My research is in algebraic geometry, with a focus on birational geometry, curve counting invariants, and their noncommutative aspects. I am most interested in solving problems in these areas by combining insights from adjacent fields, such as homological noncommutative algebra and category theory, as this wide perspective offers significant new insights. This approach was very fruitful during my doctoral research, where I was able to make significant progress in the Donaldson–Thomas theory of threefold flops by relating it to problems in finite dimensional algebra and deformation theory. In the coming years I want to leverage these ideas, and others, to make an even greater impact in the field.

PROJECT ACTIVITY

Year	Project
N/A	N/A

PATENTS

Patent
N/A

CONGRESSES AND SEMINARS

Date	Title	Place
November 2020	*"Donaldson-Thomas invariants of Threefold Flops"*	University of Nottingham, at the Nottingham Online Algebraic Geometry Seminar,
Juli/August 2020	*Poster presentation*	Kavli IPMU, at the virtual conference *"The MCKay correspondence, mutation and related topics"*,
November 2019	*"How to count a single curve"*	University of Glasgow at the Glasgow Algebra seminar
September 2019	*"Refined Invariants of Threefold Flops"*	University of Warwick at the COW/CALF seminar
September 2019	*Poster presentation*	University of Liverpool at the conference *"The Geometry of Derived Categories"*

PUBLICATIONS

Preprints
"Donaldson-Thomas invariants of length 2 flops", (2020). arXiv:2008.02591

Congress proceedings
"Stability and silting over complete local rings", In: *"The MCKay correspondence, mutation and related topics"*, Advanced Study in Pure Mathematics, *(in preparation)*

OTHER INFORMATION

N/A

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Glasgow, 02/03/2021

SIGNATURE