

ANNEX B

UNIVERSITY OF MILAN

Public selection for recruiting No. 1 tenure track researcher(s) (RTT) for competition sector 01/A3
- Mathematical Analysis, Probability and Statistics _____,
(scientific-disciplinary sector MAT/05 - Mathematical Analysis _____) at the Department of _____
Mathematics “Federigo Enriques”, (announcement published in Official Gazette No. 97 _____
of 22/12/2023) - Competition code 5472

Jacopo Bassi

CURRICULUM VITAE

(N.B. CV MUST BE OF UP TO 30 PAGES AND INCLUDE THE DETAILS CANDIDATES CONSIDER USEFUL FOR THE ASSESSMENT.

ALL THE TITLES INSERTED BELOW ARE JUST EXAMPLES THAT CAN BE REPLACED, CHANGED OR COMPLETED)

PERSONAL DATA (DO NOT INCLUDE YOUR PERSONAL ADDRESS AND LANDLINE OR MOBILE PHONE NUMBER)

SURNAME	BASSI
NAME	JACOPO
DATE OF BIRTH	01,07,1987

QUALIFICATIONS

DEGREE

(Specify full degree name, University, date, etc.)

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DOCTORAL DEGREE OR EQUIVALENT QUALIFICATION EARNED IN ITALY OR ABROAD / MEDICAL SPECIALISATION DIPLOMA OR EQUIVALENT QUALIFICATION, FOR THE RELEVANT SECTORS, EARNED IN ITALY OR ABROAD

(Specify qualification full name, institution, date, etc.)

Philosophiae Doctor in Mathematical Physics, SISSA (Tireste, IT), 23/04/2018

Doctor of Natural Sciences in Mathematics, WWU (Muenster, DE), 23/04/2018

RESEARCH CONTRACTS, RESEARCH FELLOWSHIP CONTRACTS, POSTDOCTORAL SCHOLARSHIPS OR SIMILAR CONTRACTS

(Specify, for each contract, university/institution, starting and termination date, etc.)

Postdoc (15/11/2023 - 01/01/2024) at Ben-Gurion University of the Negev, Be'er Sheva, IL.
Interrupted due to the war that is taking place in Israel.

Postdoc (01/09/2020 - 01/09/2023) at Università degli Studi di Roma “Tor Vergata”, Roma, IT

Postdoc (01/03/2019 - 01/03/2020) at Università degli Studi di Roma “Tor Vergata”, Roma, IT

INdAM Fellowship (01/10/2018 - 01/01/2019) "Concorso a n. 21 mensilità di borse di studio per l'estero per l'a.a. 2018-2019", Host University: WWU, Münster, Germany, Host: Prof. Dr. Wilhelm Winter

Research Collaborator (04/05/2018 - 03/06/2018) at Università degli Studi di Roma "Tor Vergata", Roma, IT

TEACHING ACTIVITIES AT ITALIAN OR FOREIGN UNIVERSITIES

(Specify academic year, university, degree course, number of hours etc.)

Lecturer (3 CFUs, Winter 2020) of the course "Mathematical Analysis I" for the students of the "Ingegneria Informatica" bachelor program at Università degli Studi di Roma "Sapienza"

Tutor (Winter 2019) of the course "Mathematical Analysis I" for the students of the "Engineering Sciences" Department at Università degli Studi di Roma "Tor Vergata"

SUPERVISION

(15/11/2022 - 01/05/2023) I supervised Filip Runjic, a master student from the Centre for the Mathematics of Quantum Theory at the University of Copenhagen, within the Erasmus+ traineeship program. The topic of this traineeship is K-nuclearity for C^* -algebras

ATTESTED ACTIVITY IN THE CLINICAL FIELD

(Specify date, duration, role, institution where the aid activity was carried out, etc.)

IMPLEMENTATION OF PROJECTS

(Specify date, project name, etc.)

ORGANISATION, SUPERVISION AND COORDINATION OF NATIONAL AND INTERNATIONAL RESEARCH GROUPS, OR PARTICIPATION IN THEM

(For each entry, specify year, role, research group, etc.)

HOLDING PATENTS

(For each patent, specify authors' names, title, classification, patent number, etc.)

SPEAKING AT NATIONAL AND INTERNATIONAL CONFERENCES AND CONVENTIONS

(Specify conference/convention title, date, etc.)

Speaker at the Conference “YMC*A (lightning talk), Title: On non-standard extensions of Stone-Cech boundaries, KU Leuven, Leuven (BE) (07/08/2023)

Speaker at the Workshop “Operator Algebras in Quantum Field Theory and Quantum Probability”, Title: Counter-examples to a conjecture by Kalantar and Kennedy, Università degli Studi di Roma “Tor Vergata”, Roma (IT) (07/12/2019)

Speaker at the Conference “French-Italian Meeting on Spectral Triples in Noncommutative Geometry”, Title: “Spectral Triples on the Jiang-Su Algebra”, Villa Toeplitz, Varese (IT) (02/05/2016 - 05/05/2016)

NATIONAL AND INTERNATIONAL AWARDS AND ACCOLADES FOR RESEARCH ACTIVITY

(Specify award, date, issuing organisation, etc.)

Tor Vergata Research Grant (15/03/2022 - 15/03/2024) (€ 16000 total, € 1000 personal) “Operator algebras and quantum mathematics (OAQM)”, Università degli Studi di Roma “Tor Vergata”, Principal Investigator: Prof. Yoh Tanimoto. CUP: E83C22001800005

Beyond Borders (04/01/2021 - 31/12/2022) (€ 4500 total, € 1000 personal) “A geometric approach to Harmonic Analysis and Spectral Theory on trees and graphs”, Università degli Studi di Roma “Tor Vergata”, Principal Investigator: Prof. Florin Radulescu. CUP: E89C20000690005

Beyond Borders (01/12/2019 - 01/12/2021) (€ 20000 total, € 1000 personal) “Interactions of Operator Algebras with Quantum Physics and Noncommutative Structure”, Università degli Studi di Roma “Tor Vergata”, Principal Investigator: Prof. Yoh Tanimoto. CUP: E84I19002200005

HOLDING A EUROPEAN SPECIALISATION DIPLOMA RECOGNISED BY INTERNATIONAL BOARDS

(For those competition sectors for which it is requested)

(Specify diploma, date, etc.)

QUALIFICATIONS UNDER ART.24, PARAGRAPH 3.a AND 3.b, OF LAW No.240/2010 OF 30 DECEMBER 2010

(Specify whether it is a type A or type B contract, University, contract effective date and end date, etc.)

SCIENTIFIC PRODUCTION

SCIENTIFIC PUBLICATIONS

(For each publication, specify the following: authors' names, full title, publisher, date and place of publication, ISBN/ISSN/DOI or equivalent code)

J. Bassi, R. Conti, C. Farsi and F. Latrémoière, Isometry groups of inductive limits of metric spectral triples and Gromov-Hausdorff convergence, (2023), J. Lond. Math. Soc. 108:4, 1488-1530, doi:10.1112/jlms.1278

J. Bassi and F. Radulescu, A mixing property for the action of $SL(3, \mathbb{Z}) \times SL(3, \mathbb{Z})$ on the Stone-Cech boundary of $SL(3, \mathbb{Z})$, (2024), Int. Math. Res. Not. IMRN, 2024:1, 234-283, doi:10.1093/imrn/rnad014

J. Bassi and R. Conti, On isometries of spectral triples associated to AF-algebras and crossed products, (2023), to appear in J. Noncommut. Geom., <https://arxiv.org/abs/2301.07644>

J. Bassi, Local trivializations of suspended minimal Cantor systems and the stable orbit-breaking subalgebra, *Results Math.* 78:43 (2023), doi:10.1007/s00025-022-01820-3

J. Bassi and F. Radulescu, An example of a non-amenable dynamical system which is boundary amenable, *Proc. Amer. Math. Soc.* 151:6 (2023), 2459-2462, doi:10.1090/proc/16239

J. Bassi and F. Radulescu, Separable boundaries for non-hyperbolic groups, *J. Operator Theory* 87:2 (2022), 461-470, doi:10.7900/jot

J. Bassi, On C^* -algebras associated to actions of discrete subgroups of $SL(2, \mathbb{R})$ on the punctured plane, *Math. Scand.* 126:3 (2020), 540-558, doi:10.7146/math.scand.a-120288

J. Bassi, Remarks on some simple C^* -algebras admitting a unique lower semicontinuous 2-quasitrace, *Colloq. Math.* 165:1 (2021), 53-62, doi:10.4064/cm8171-3-2020

J. Bassi and L. Dabrowski, Spectral triples on the Jiang-Su algebra, *J. Math. Phys.* 59:5 (2018), doi:10.1063/1.5026311

J. Bassi, On C^* -algebras associated to horocycle flows, PhD thesis, SISSA, 2018, <https://hdl.handle.net/20.500.11767/74010>

Date

21/01/2024

Place

Roma, IT