

Biographical Sketch: CHRISTIAN BLANCHET

Professional Preparation:

February 1991 Phd defense University of Nantes (France) Advisor Pierre Vogel.
January 1998 Habilitation University of Nantes (France).

Appointments:

1991-1999 Associate professor University of Nantes
1999-2007 Professor University Bretagne-Sud
2007- Professor University Paris Diderot

Main Publications:

- [1] Topological Quantum Field Theories derived from the Kauffman bracket, (with N. Habegger, G. Masbaum, P. Vogel) *Topology* 34 (1995), 883-927.
- [2] Hecke algebras, modular categories and 3-manifolds quantum invariants, *Topology* 39 (2000) 193-223.
- [3] Modular Categories of types B, C and D, *Comment. Math. Helv.* 76 (2001) 467-500, (with A. Beliakova).
- [4] A spin decomposition of the Verlinde formulas for type A modular categories, *Comm. in Math. Physics* Vol. 257, N. 1, May 2005, 1 – 28.
- [5] Non semi-simple TQFTs, Reidemeister torsion and Kashaev's invariants *Advances Math.*, **301** 2016 (with N. Geer, F. Costantino and B. Patureau-Mirand).

Scientific responsibilities:

- Director of the laboratory *Laboratoire de Mathématiques et Applications des Mathématiques (LMAM)* University of Vannes, 2007-2008.
- Director of CNRS research group GDR 2105, *Tresses et Topologie de basse dimension*, 2004-2007.
- Adjoint Director of Institut de Mathématiques de Jussieu - Paris Rive Gauche, 01/2012-12/2015
- Academic Editor of *Journal of Knot Theory and its Ramifications*.

Doctoral Advises:

1. Catherine Gille 1998 Associate professor at University Paris Diderot.
2. Gwénaél Massuyeau 2002 Professor at Dijon
3. Kristell Dequidt-Picot 2005
4. Etienne Gallais 2007
5. Abderhamane Bouchair 2009 Professor at university of Jijel (Algérie).
6. Souad Otmani 2010
7. Lukas Lewark 2013 Junior Research Leader at Regensburg .
8. Louis-Hadrien Robert 2013 Assistant Professor at Clermont-Ferrand.
9. Hoel Queffelec 2013 Chargé de recherche CNRS at Montpellier.
10. Marco De Renzi 2017 Postdoc at Zurich.
11. Cristina Anghel 2018 Postdoc at Geneva.
12. Daniel Lopez 2019 Postdoc at Blumington.

Address: Univ Paris Cité, IMJ-PRG, UMR 7586 CNRS, F-75013, Paris.

Webpage: <http://www.imj-prg.fr/~blanchet>

Email: christian.blanchet@imj-prg.fr