Romina M. Arroyo

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PERSONAL INFORMATION	
Full name Romina Melisa Arroyo	
Gender Female	
Date and place of birth January 2nd, 1985. Río Gallegos, Santa Cruz, Argentina	
Citizenship Argentinian	

CURRENT POSITIONS		
Research Assistant (Investigadora Asistente)		Jul 2016 –
CIEM – CONICET – Argentina		
Supervisor: Prof. Jorge Lauret		
Assistant Professor (Profesora Adjunta)		Apr 2015 –
FaMAF – Universidad Nacional de Córdoba – Argentina		

PREVIOUS POSITIONS		
Mathematics Postdoctoral Fellowship		Apr 2013 – Jun 2016
CIEM – CONICET – Argentina		
Supervisor: Prof. Jorge Lauret		

EDUCATION		
Ph.D. in Mathematics		Apr 2008 – Mar (22nd) 2013
Universidad Nacional de Córdoba – Argentina		
Advisor: Prof. Jorge Lauret		
Thesis title: *Sobre el flujo de Ricci en variedades homogéneas*		
Licenciada en Matemática (M.Sc. in Math. equivalent)		Mar 2003 – Mar (6th) 2008
Universidad Nacional de Córdoba – Argentina		

PUBLICATIONS & PREPRINTS		
"The Alekseevskii conjecture in low dimensions"		2017
with Ramiro Lafuente. *Mathematische Annalen*, **367** (1), 283–309		
"Homogeneous Ricci solitons in low dimensions"		2015
with Ramiro Lafuente. *International Mathematics Research Notices*, **2015** 13 (2015), 4901–4932		
"The Ricci flow in a class of solvmanifolds"		2013
Differential Geometry and its Applications, **31** (2013) 472–485		
"Filiform nilsolitons of dimension 8"		2011
Rocky Mountain Journal of Mathematics, **41** (2011), 1025–1043		

SHORT VISITS AND STAYS		
Universität Münster		Jan 27th – Feb 05th, 2017
Universität Münster		Jul 22nd – Aug 02nd, 2015
Syracuse University		Feb 11st –13th, 2015
McMaster University		Sep 1st, 2014 – Feb 28th, 2015
University of Oklahoma		Jun 3th –9th, 2014
Dartmouth College		May 19th –22th, 2014

TALKS & POSTERS IN CONFERENCES		
Annual meeting of the Argentinian Mathematics Society. Bahía Blanca, Argentina		Sep 2016
Annual meeting of the Argentinian Mathematics Society. Santa Fé, Argentina		Sep 2015
AMS Special Session at the Joint Meetings of the American Mathematical Society and Mathematical Association of America. San Antonio, Texas. Special session: Ricci Curvature for Homogeneous		

	Spaces and Related Topics	Jan 2015
	Group actions in Riemannian geometry. University of North Carolina, Chapel Hill, USA	May 2014
	Annual meeting of the Argentinian Mathematics Society. Rosario, Argentina	Sep 2013
	IV Latinoamerican Congress of Mathematicians (poster). Córdoba, Argentina	Aug 2012
	Differential Geometry meeting. Rosario, Argentina	Aug 2012
	V Differential Geometry meeting. Córdoba, Argentina	Jun 2011
	XV Latinoamerican School of Mathematics (poster). Córdoba, Argentina	May 2011
	Annual meeting of the Argentinian Mathematics Society. Mendoza, Argentina	Sep 2008
	Technology update sessions. Buenos Aires, Argentina	Sep 2005
	Argentinian meeting of computing and operational research (JAIIO). Rosario, Argentina	Sep 2005

TALKS IN SEMINARS	*Geometry seminar.* FaMAF, UN Córdoba, Argentina	Oct 2016
	Graduate students seminar. FaMAF, UN Córdoba, Argentina	Jun 2015
	Geometry seminar. FaMAF, UN Córdoba, Argentina	May 2015
	Geometry and Topology seminar. Syracuse University, New York, USA	Feb 2015
	Geometry and Topology seminar. McMaster University, Ontario, Canada	Nov 2014
	Geometry and Topology seminar. University of Waterloo, Ontario, Canada	Oct 2014
	Geometry and Topology seminar. Dartmouth College, Hanover, USA	May 2014
	Geometry seminar. FaMAF, UN Córdoba, Argentina	Mar 2014
	Geometry seminar. FaMAF, UN Córdoba, Argentina	Oct 2012
	Graduate students seminar. FaMAF, UN Córdoba, Argentina	Sep 2008

CONFERENCES & SEMINARS CO-ORGANIZATION	**Organizer of IV Workshop on Differential Geometry (EGEO 2016)** La Falda, Sierras de Córdoba FaMAF – Universidad Nacional de Córdoba – Argentina	Aug 2016
	Graduate seminar organizer (with Julia Y. Plavnik) FaMAF – Universidad Nacional de Córdoba – Argentina	Fall and Spring 2010

FELLOWSHIPS & AWARDS	**CONICET Short stay abroad**	Sept 2014 – Feb 2015
	Full Scholarship to attend Group actions in Riemannian geometry University of North Carolina, Chapel Hill, USA	May 2014
	CONICET Postdoctoral Research Fellowship	Apr 2013 – Jun 2016
	ICTP full Scholarship to attend School and Conference of Geometric Analysis	Jun 2012
	ICTP full Scholarship to attend School and Conference of Differential Geometry	Jun 2008
	CONICET Ph.D. Fellowship for graduate studies, type I and II	Apr 2008 – Mar 2013
	Agencia Córdoba Ciencia Fellowship to finish undergraduate thesis	2007
	EST2005, 34JAIIO First place in the undergraduate thesis contest EST2005, 34JAIIO, Rosario, Argentina	2005

TEACHING EXPERIENCE	**Graduate assistant instructor (JTP)** FaMAF – Universidad Nacional de Córdoba – Argentina	Aug 2013 – Apr 2015
	Tutor of TIC to teach mathematics FaMAF – Universidad Nacional de Córdoba – Argentina This program is devoted to teach high school teachers some interesting topics and how to introduce them to the students using new technologies.	Sep 2011 – Dec 2011

	Graduate teaching assistant	Mar 2010 – Jul 2013
	FaMAF – Universidad Nacional de Córdoba – Argentina	
	Undergraduate teaching assistant	Mar 2006 – Jul 2008
	FaMAF – Universidad Nacional de Córdoba – Argentina	

Outreach &
Service activities

Local secretary of Argentinian Mathematics Society May 2016 –
Córdoba – Argentina

Math. Dept. Advisory Board 2016 – 2018
FaMAF – Universidad Nacional de Córdoba – Argentina

Research project SeCyT, Universidad Nacional de Córdoba 2016–2017
Co-director. Title of the project: *Homogeneous Ricci solitons and invariant Killing tensors*

Undergraduated thesis board Dec (18th) 2015
Title of thesis: G_2-*estructuras solitones en álgebras de Lie nilpotentes*, M. Nicolini, FaMAF

Referee for International Journal of Geometric Methods in Modern Physics (1), Israel Journal of
Mathematics (2) and Mathematische Nachrichten (1) 2015–2016

Organizer of the Festival of Mathematics 2014 – 2016
FaMAF – Universidad Nacional de Córdoba – Argentina

Tutor of PACENI program Jun 2010 – Aug 2010
FaMAF – Universidad Nacional de Córdoba – Argentina
This program is devoted to orient students in their first approach to University and to help them
during their adaptation time.

Argentinian National Mathematical Olympiad jury 2009 – 2012
Jury member in various regional mathematical olympiads

FaMAF Council 2007
On behalf of the students. FaMAF – Universidad Nacional de Córdoba – Argentina

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References

Jorge Lauret (Ph.D. advisor)
Universidad Nacional de Córdoba – Argentina.
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Roberto Miatello
Universidad Nacional de Córdoba – Argentina.
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Isabel Dotti
Universidad Nacional de Córdoba – Argentina.
idotti@famaf.unc.edu.ar