

Curriculum Vitae

Personal information

First name(s) / Surname(s) **TOLA ELISABETTA**

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality

Date of birth

Gender

Work experience

Freelance science&technology journalist from January 2003.
Journalist registered with the Order of Journalists of Emilia-Romagna as of July 2003.

Actual position **President of formicablu Ltd., starting March 2005**

Type of business or sector **Science Communication agency**

Name and address of employer **Formicablu Inc. - Via Sant'Anna 16/2 – 40128 Bologna**

Founding member and President of formicablu Ltd., a science communications agency, based in Bologna and Rome (<http://www.formicablu.it>).

Main activities and responsibilities **Responsible for concept and project management; production of journalistic texts and other multimedia output; expert in training professionals and students in science journalism, data-driven journalism, science communication theory and multimedial techniques; consultant for science publishers; researcher in science communication.**

Dates **2003-today**

Occupation or position held **Free lance science writer, radio presenter and communicator**

Areas of activities

Radio, web radio, audiodocs and podcasting:

Audiodocs:

- «Come ti cambio il mondo», Radio3Scienza, Radio3Rai, June 18th 2013, <http://bit.ly/17X5vFw>
- «Braveheart scende in campo», Radio3Scienza, Radio3Rai, April 9th 2012, <http://bit.ly/HuOKC7>
- «Geni compresi», Radio3Scienza, Radio3Rai, August 18th 2012, <http://bit.ly/1dKTHts>
- «La buona terra», Passioni, Radio3Rai, January-March 2010, <http://bit.ly/15pc7a5>

Radio programmes:

- January 2005 – present. Content production and presentation of **Radio3Scienza** (<http://bit.ly/aQPIbi>), the daily science programme of the Italian National Radio, Rai Radio3, periodically for a number of weeks each year.
- January 2013 – present. Regular contribution as science journalist to the daily programme «Albachiara», Rete 1, Radio Svizzera Italiana (<http://reteuno.rsi.ch/home/networks/reteuno/Albachiara.html>)
- September 2012 – present. Content production and presentation of the weekly technology and innovation radio programme **Pensatech** (<http://radio.rcdc.it/topics/tecnologie/> and <http://radio.rcdc.it/programmi/pensatech/>), on air on Città del Capo radio metropolitana – Popolare network.
- September 2004 – present. Content production and presentation of the weekly science radio programme **Pigreco Party** (<http://radio.rcdc.it/programmi/pi-greco-party/>), on air on Città del Capo radio metropolitana – Popolare network and on line on FMBlu (<http://fmbly.formicablu.it/>).
- January 2000 – June 2001. Editor and presenter of the weekly column «Spazio aggiornamenti scientifici», Radio città del capo – Popolare Network, Bologna.

Podcasts and webradio:

- March 2010: coordinator of the audioblog **Vibrazioni** (<http://vibrazioni.wordpress.com>) with interviews and audio reportages on the experience of the earthquake, destruction and reconstruction produced by secondary school students of L'Aquila, Abruzzo.
- 16 to 20 April 2008: producer of **L'Officina** (<http://fest2008.formicablu.it/>) a virtual space of multimedia and radio production covering the 2nd edition of Fest Trieste, an international science book festival. The website includes interviews with authors of books, short articles, radio workshops and "The Spritz", a daily radio show recorded live during the festival and available in streaming and podcasting.
- 17 to 21 May 2007: producer of **RadioFest** (<http://www.radiofest.eu>), the podcasting website covering the 1st edition of Fest Trieste, an international science book festival.
- from March 2005 - today: conceiver and producer of **FmBlu Radio** audioblog performing daily science radio programme (<http://www.formicablu.it/fmblue>)
- **Science week** 2006: creation of audio podcasts for the National Institute of geophysics and vulcanology, Bologna.

Video production:

Coordination, concepts, script writing, planning and production of videos for various journalistic and communications projects in collaboration with formicablu team.
Selected examples:

- **Voices 2013** – video production to document and to disseminate development and results of the Voices EU project, Ecsite and EU Commission.
<http://www.voicesforinnovation.eu/>

- **NeuroStemCell 2012** – video story of a research project shot in the laboratory of

stem cells of Elena Cattaneo, University of Milan, about the production of neural cells from embryonic stem cells.

(an extract can be seen here <http://vimeo.com/40862525> and the backstage here <http://vimeo.com/39334435>)

- **Scienza in piazza 2011** – daily journalistic video reporting of a science Festival in Bologna and production of two longer narrative videos to cover the activities done during the Festival and an art-science exhibition (video in ITA and ENG)

(<http://bit.ly/JEzwxP> and <http://bit.ly/lmHwTA>)

- **Non chiamarmi terremoto** – docufiction on seismic risk, in collaboration with National Institute of Geophysics and Volcanology, Bologna and with students from junior secondary school «Dante Alighieri», L'Aquila – 2010

(<http://vimeo.com/24119181>)

- **Series of educational videos** - «Vedere la chimica» (2008) and «La fisica di Amaldi» (2009); «Fare fisica» (2012); other edu-videos on biology, physics, maths produced in collaboration with Zanichelli editore, Bologna.

- **GlobalESOF 2010** – journalistic video reporting in English covering ESOF2010 in Turin, in collaboration with Global Talent, Barcelona, ESOF media partner

(<http://www.globalesof.com/>)

- **Tutti giù per terra** (Edurisk) – Palazzo d'Accursio, Bologna - 2007

- **Volcanoes** – Sala Borsa ragazzi, Bologna - 2007

- **CIRCE EU project** – official video in English – 2007

(<http://www.circeproject.eu/gallery2/main.php/v/VIDEO/circe-esof.flv.html>)

- **Biopop EU project** - Bologna – 2007

- **Einstein in the folds of space-time** - Sissa Medialab – 2008 (<http://www.formica-blu.it/reservoir/einstein/>)

- **Scienza in Piazza** - Bologna - Fondazione Marino Golinelli - 2008

- **CMCC** - Euro Mediterranean Centre for Climate Change – 2008

(<http://vimeo.com/34028424>)

- **GNOO** – Gruppo nazionale oceanografia operativa - INGV - 2009

Co-productions (script and/or presentation/production):

- Regional Campaign against Tiger Mosquito – Servizio sanitario regionale dell'Emilia-Romagna, in collaboration with Limina Inc., - 2007 (in English, <http://www.zanzarati-greonline.it/Campagnadicomunicazione/videoclipinglese/videoclipversioneintegraleinglese/tabid/776/Default.aspx>)

- **Terra unica** – journalistic videopresentation - 4 episodes TV series illustrating the Regional agricultural development plan of Regione Emilia-Romagna – in collaboration with Coop Not Available - 2009

- Production of series of **Science educational videos** (for Zanichelli)

Print and online:

- August 2002 – today. Freelance science writer for printed and online magazines and websites (currently: Wired-Italia; L'Espresso; Linkiesta.it;

in the past: IL – Il Sole 24 ore; Oggi; D Repubblica, L'Unità, Il Mattino, Il Messaggero).

- October 2002 - January 2006. Science editor at Epicentro, the weekly bulletin of the National center of epidemiology of the Italian National Institute of Health

Data-driven journalism:

- April 2013 – co-founder and director of Datajournalism.it, the first Italian webzine entirely dedicated to data-driven journalism, <http://www.datajournalism.it/>

- July - September 2012. Co-author with Guido Romeo of the #safeschools investigation on seismic safety of Italian schools, published on WiredIT

<http://bit.ly/RHclSn> and <http://bit.ly/XoJWrK>

a video presentation is here: <http://vimeo.com/63394788>,

a storify is here: <http://storify.com/guidoromeo/scuolesicure-ecco-tutta-l-inchiesta-di>

wired

a description in english on datadrivenjournalism.net:

http://datadrivenjournalism.net/featured_projects/safeschools_investigation_seismic_safety_assessment_Italian_Schools

- August 6h, 2013 – «Il turismo dà i numeri», Data-story on tourism at Rimini, L'Espresso <http://espresso.repubblica.it/dettaglio/il-turismo-da-i-numeri/2212406>
- September 2012 – april 2013 - «Diamo i numeri» - a datablog on the «Aula di scienze», Zanichelli editore <http://aulascienze.scuola.zanichelli.it/diamo-i-numeri/>

Editorial experiences:

- September 2008 – today. Consultant and associate publisher of Zanichelli eds., Bologna, for the design and production of multimedia materials (video, audio and animations, scripts and storyboards) to accompany various textbooks.
- March 2003. Co-author of the book 'Sapere e cercare. Le scelte per la ricerca e il punto di vista dell'Università Tor Vergata.' Zadigroma editore, March 2003.
- September 2003. Translation from the English of 'The first fruit. The creation of the Flavr Savr and the birth of biotech food.' Sironi Editore.

Blog, podcast and social media

Formicablu website – <http://www.formicablu.it/>

Datajournalism – <http://www.datajournalism.it/>

Ahref datablog - <http://datablog.ahref.eu/>

Blog «Diamo I numeri» - Aula di scienze Zanichelli - <http://aulascienze.scuola.zanichelli.it/diamo-i-numeri/>

Blog «Fatti di scienza» - @Linkiesta - <http://www.linkiesta.it/blogs/fatti-di-scienza>

Audioblog Fmblu - <http://fmblu.formicablu.it/>

Twitter:

Facebook: [f_____](#)

Public activities:

Exhibitions, events and public communication:

- Moderator, speaker and/or discussant in many conferences and public meetings addressed to the general public and/or professionals.
- Recent international participation in public events as either organiser and/or discussant in panels in: ECSITE annual conference 2013; Science online 2013; International Journalism Festival, Perugia (2013, 2012 and 2011); PCST (2008 and 2012); ESOF (2012; 2010 and 2008); Scienza in Piazza (2011 and 2012); AVSA, CIRCE, FUND, La Ciencia en la radio (Brasil, 2009).
- Planner and producer of The Invention of Clouds and Biodiversity exhibit and events during the "Festival of History and Environment", Bologna, 21-24 September 2006.
- January - June 2006. Editor of the texts for the exhibition "Comunico ergo sum", Città della scienza, Napoli.
- Consultant for scientific events and producer of educational materials for diverse centers and foundations for environmental education and training/communication on life sciences (Centro Antartide, Fondazione Marino Golinelli), Bologna.

National and International Projects: concepts, writing and/or coordinating the communication activities

Ongoing projects:

- 2013 – development and organisation of the communication plan and web strategy and coordination of multimedia production for the **VOICES EU** project (Views, Opinions and Ideas of Citizens in Europe on Science) a year-long Europe-wide citizen consultation exploring the concept of waste as a resource. Funded by the EU Commission and led by Ecsite, the European Network of science centres and museums.
- 2013 – coordination and launch of the narrative blog Facciamonoi.net, documenting practical experiences with school classes in the region of Emilia, one year after the

Emilia earthquake (<http://facciamonoi.net/>)

- 2012 – launch of the first Italian **Hacks/Hackers** group, based in Bologna, and planning of a streaming of activity to create an active community of data journalists, developers, experts in infographics and the open data community.
- 2011 – today. Research and production of data driven journalism examples and tools as part of the collective Italian project **iData**, founded by Ahref Foundation – Trento, aimed at promoting data driven journalism in Italy. Included the creation of a Datablog and an active community working within a mailing list (soon to become a new website) [datajournalism.it](http://www.ahref.eu/). (<http://www.ahref.eu/>);
- 2008 – today. Planning and coordination of production of multimedia materials, audio and digital animation for **Edurisk project** and website, on seismic risk prevention with the National Institute of Geophysics and Volcanology in Bologna (<http://www.edurisk.it>)

Completed projects:

- 2004 - 2011. Outreach and dissemination plan and implementation of the same for the integrated project CIRCE (Climate Change and Impact Research: the Mediterranean Environment), a four-year integrated project on the impact of climate change in the Mediterranean (<http://www.circeproject.eu>), funded under the Sixth Framework Programme of the European Commission and coordinated by the National Institute of Geology and Volcanology, Bologna. Project start date: April 1, 2007;
- 2009-2010. Planning and coordination of the production of multimedia materials for distance learning within the project CHRISGAS Department of Industrial Chemistry, University of Bologna;
- 2006-2007. Creation, management and implementation of "Service to implement an information campaign on the territory of the Emilia Romagna region, on strategies to prevent the tiger mosquito problem" (<http://www.zanzaratigreonline.it>). Communication plan, texts and audio production, coordination of graphic materials and videos;
- 2006-2007. Design and implementation of 'peer communication' radio workshops for high school students, funded within the Scientific Career Programme, Ministry of University and Research in collaboration with the area of Chemistry, University Bicocca, Milan;
- 2004-2006. Design and implementation of SCIRAB-Science in radio broadcasting, a research project on the role of radio in science communication (<http://www.scienceon-air.org/>) funded under the Sixth Framework Programme by DG Research of the European Union under the Science and Society program.

Training and lecturing activities

2005-today

Full course lecturing or workshop organisation and coordination on science communication, multimedia production, radio production and presentation, podcasting, science journalism targeted to science teachers, journalists, master students, researchers.

- Master in science digital journalism, Sissa, Trieste, 2012-2013 – data journalism course
- Master in science communication, Sissa, Trieste, 2004-2013 – laboratory of multimedia production;
- Scuola superiore di giornalismo, Bologna, 2004 - today – course on science journalism;

- RCS – Ahref Data School 2013-2014 – introduction to data journalism to journalists and graphic designers @Corriere della Sera – ottobre 2013-gennaio 2014;
- Fondazione Bassetti – Museo della Scienza di Milano – formicablu: data training per insegnanti della scuola superiore, ottobre-novembre 2013;
- Istat – Ahref Data school 2012-2013 – introduction to data journalism;
- Ahref Summer school on data – 2011 and 2012 – introduction to data journalism;
- Màster en Comunicació Científica, Mèdica i Mediambiental, Universitat Pompeu Fabra, Barcellona, 2005 - 2012 – 3-day workshop on radio production;
- Life Learning Center, Bologna, 2008-today – course on science communication for high school science teachers;
- University of Venice Ca' Foscari and Observa – Comunicare la ricerca, 3-day workshop for professionals and researchers – september 2012;
- Master in comunicazione della Scienza, Università di Padova, 2007-2011 – course on radio production;
- Master in comunicazione della scienza, Associazione Il Rasoio di Occam per la Fondazione per le biotecnologie, Torino, 2007-2010 – course on radio production;
- Sociology dept., University of Padova, PhD School in sociology, January 2010 – seminar on science communication and media ecosystem;
- Sociology dept., University of Trento, PhD School in sociology, March 2009; - seminar at PhD school on science in the radio;
- Training programme Intervals, PRBB, Barcelona, July 2008 – on science café and on science podcasts;
- Laboratorio giornalismo radiofonico, Università di Bologna, Fac. Scienze della comunicazione, March-May 2009;
- INFN-LN, Legnaro, Padova, May 2009 – 5-day workshop on science communication;
- University of Lecce, June 2009 – 1-day workshop on science communication;
- Dept. of communication, IULM University, Milan, 2006 – 2-day seminar on science communication networks.

Dates **1999 - 2006**

Occupation or position held **Lecturer in environmental and applied microbiology**

Main activities and responsibilities Lecturing courses in Environmental and Applied Microbiology for the Faculty of Sciences, Degree in Biotechnology.

Name and address of employer University of Bologna, Via Zamboni 33, Bologna

Dates **2001-2002**

Occupation or position held **Journalist and presenter**

Main activities and responsibilities Editor and presenter of daily information programmes part of the editorial board

Name and address of employer Radio Città del Capo – Popolare network – Via Berretta rossa 51/C - Bologna

Education and

training

Ongoing professional training	<p>Introduction to Infographics and Data Visualization – MOOC online by Alberto Cairo – Knight Center – 6th October-2nd November 2013</p> <p>High Risk investigation – Center for Investigative Journalism (CIJ) – City University London – Summer school 12th-14th July 2013</p> <p>Open Government Data Camp and Data School – Warsaw, 20th-21st October 2011</p> <p>Web Investigator – Center for Investigative Journalism (CIJ) – City University London – 7th-8th November 2010</p>
Professional associations membership	<p>2011 - today Member of the IRE - Investigative Reporters and Editors, Inc. – www.ire.org</p> <p>2010 – today Member of Swim, italian association of Science writers</p> <p>2011 – today Member of Spaghetti Open Data (SOD), italian community of open data evangelists and activists Organisation and involvement in the first SOD raduno, January 2013, Bologna and of the OpenData Hackathon, International Journalism Festival, Perugia, April 2013.</p> <p>2003 - today Member of the Ordine dei giornalisti dell'Emilia-Romagna Freelance journalist Ordine dei giornalisti italiani</p>
Dates	2001- 2003
Title of qualification awarded	Master in science communication (30/30 cum laude)
Principal subjects/occupational skills covered	Science communication, with specialisation in journalism and multimedia-radio-video design and editing
Name and type of organisation providing education and training	International School for Advanced Study – SISSA/ISAS, Trieste.
Dates	1987-1994
Title of qualification awarded	Laurea degree in Agricultural Sciences (110/110 cum laude)
Principal subjects/occupational skills covered	Microbiology, genetics of microorganism, microbial ecology, molecular biology, plant and food production, ecology, biodiversity, agronomy, food quality and security, biotechnology.
Name and type of organisation providing education and training	Facoltà di Agraria, Università degli Studi di Padova.

Grants

Dates	2000-2001
Title of qualification awarded	Post-doctoral fellow
Principal subjects/occupational skills covered	Researcher in Molecular biology and regulatory mechanisms of <i>Helicobacter pylori</i>
Name and type of organisation providing education and training	Department of Biology, University of Bologna
Dates	1996-1998
Title of qualification awarded	European fellowship Marie Curie for Biotech trainees - FP2
Principal subjects/occupational skills covered	PhD researcher in biotech and environmental microbiology
Name and type of organisation providing education and training	Department of Microbiology, University College Cork, Ireland
Dates	1998
Title of qualification awarded	Post graduate fellowship for the improvement of education and training abroad – University of Padova, Facoltà di Agraria
Principal subjects/occupational skills covered	PhD researcher in biotech and environmental microbiology
Name and type of organisation providing education and training	Department of Microbiology, University College Cork, Ireland
Dates	1994
Title of qualification awarded	International Research Plan – Fondazione Aldo Gini, Padova, for the improvement of training and education of post graduate students
Principal subjects/occupational skills covered	Research assistant in microbial ecology
Name and type of organisation providing education and training	Department of Microbiology, Michigan State University, East Lansing, US
Dates	1991
Title of qualification awarded	International Research Plan – Fondazione Aldo Gini, Padova, for the improvement of training and education of undergraduate students
Principal subjects/occupational skills covered	Research assistant in plant pathology and molecular microbiology
Name and type of organisation providing education and training	Department of Plant Pathology, University of California, Davis, US

Personal skills and competencesMother tongue(s) **Italian**

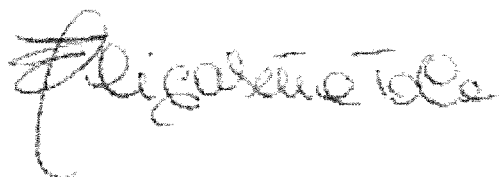
Other language(s)

Self-assessment European level (*)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Spanish	C2	C2	C1	C1	B1

(*) Common European Framework of Reference for Languages

Social skills and competences	<p>Strongly motivated into team working with a particular skew toward leadership and coordination of working groups</p> <p>Very determined to achieve objectives and to deliver on schedule</p> <p>Highly interested in people and able to establish good relationship based on trust and empathy</p> <p>Passionate about social networking</p>
Organisational skills and competences	<p>Contents production both written and multimedia</p> <p>Excellent interwieving skills</p> <p>Good management</p> <p>Willing to work in an international and competitive environment</p>
Computer skill and competence	<p>Windows, Mac.</p> <p>Office, Adobe Suite (Premiere, Photoshop, Indesign, Acrobat), Flash, Finalcut studio pro, Klynt</p> <p>Different CMS, Wordpress</p> <p>DataViz and content curation: Google Fusion Tables, Tableau, ManyEyes, Easely, DataWrapper, Storify, etc</p> <p>Audio editing (SoundForge, CoolEdit, SoundBooth, GarageBand, Audition, Audacity)</p> <p>Social media setting and feeding: Facebook, Twitter, Ning, Anobii, YouTube, Del.Icio.Us, Wiki,</p> <p>Use of different devices and apps: PC, Mac, tablet, iPad, iPhone and Android smart phones for production and dissemination of contents</p>
Other skills and competences	<p>Excellent cook and party organiser</p> <p>Voracious reader</p> <p>Passionately involved in social causes, particularly those dealing with human rights</p> <p>Politically informed and opinionated</p> <p>Postcontemporary mediterranean</p>

Dichiaro che le informazioni riportate nel presente Curriculum Vitae sono esatte e veritiere.
 Acconsento al trattamento dei dati personali, ivi compresi quelli sensibili, ai sensi e per gli effetti del decreto legge 196/2003.



Elisabetta Tola, Ph.D.

Research and publications

On radio and science communication:

- ✓ E. Tola. To blog or not to blog, not a real choice there... JCOM 7 (2), giugno 2008.
- ✓ M. Merzagora, E. Tola, M. Mazzonetto. I heard it on the radio! The role of the radio in science communication. In: Communicating European Research 2005. Proceedings of the Conference, Brussels, 14–15 November 2005. Edt. By Michel Claessens, European Commission, Brussels, Belgium. Chapter 29, pagg. 169 – 174. Springer, 2006.
- ✓ M. Merzagora, M. Mazzonetto, E. Tola. Science in radio broadcasting – the role of the radio in science communication. Polimetrica eds., ottobre 2005.
- ✓ E. Tola. Verba manent and remediation: esperienze di convergenza tra radio e web. In: La comunicazione della scienza. Atti del I e del II Convegno nazionale. Zadigroma editore, novembre 2004. pag. 315.
- ✓ E. Tola. Hinari and Agora: free access to scientific information for poor countries. JCOM 2 (4), dicembre 2003.

Oral communications within scientific and professional conferences:

- ✓ E. Tola. Aftershock: The Aquila ruling and its impact on science communication. Public discussion. Ecsite Annual Conference, Gothenburg, 6th June 2013.
- ✓ E. Tola. Open data e data journalism: una unione felice. Presentation at the Società italiana di Statistica, Gruppo di valorizzazione delle Statistiche, Rome, 19th April 2012.
- ✓ E. Tola. Comunicazione e apprendimento digitale. Presentation at L'innovazione responsabile. Forlì, 10th September 2012.
- ✓ E. Tola. Breaking into the media: what training do scientists need? Career Programme, ESOF10, Turin, 3rd July 2010.
- ✓ E. Tola. Programas Radiofônicos em Divulgação Científica. II Encontro nacional radio e ciencia, Università federale di Minas Gerais, Belo Horizonte, Brasil, 24th-26th September 2008.
- ✓ E. Tola. Social media and blogs: is there an impact on science journalism and communication? Presentazione orale al PCST-10, Public communication science and technology, Malmo-Lund-Copenhagen, 25th-27th June 2008.
- ✓ E. Tola e M. Boscolo. Podcast, weblogs, network sociali: come cambia il mestiere del giornalista scientifico? Presentazione orale al VI Convegno Nazionale sulla Comunicazione della Scienza, Forlì, 29th November -1st December 2007.

Results of my research produced within the **environmental microbiology research** period have been published, between 1991 and 2001, on many peer review science journals and presented at diverse international conferences such as: Journal of Industrial Microbiology & Biotechnology; L. Int J Syst Evol Microbiol; Environmental Microbiology; Symbiosis; IOBC Bulletin; Applied and Environmental Microbiology; Canadian Journal of Microbiology; Plant and soil; Molecular plant-microbe interactions; Molecular Microbiology.