

Carine Giovannangeli

Born on 01/04/1966

Deputy Director of the Molecular and structural bases of living organisms institute

Degrees and qualifications

Graduate from the Ecole Normale Supérieure-Lyon, *Agrégation* (highest qualification for high-school teachers in France) in physics, PhD from PMC University (Paris VI) in molecular biophysics, and an accreditation to supervise research

Awards

CNRS bronze medal

Young Researchers Prize - DGA/DRET

Charles-Louis de Saulses de Freycinet Prize- Academy of Sciences

Franco-British Prize - Royal Society/French Academy of Sciences

Professional experience

Carine Giovannangeli (DR1 CNRS) is a trained physicist and has a PhD in molecular biophysics. She joined the CNRS in 1992 to conduct research activities mainly devoted to biophysics and the biology of nucleic acids, their structure and dynamics, associated cell functions and their regulations, as well as the development of artificial control strategies of these functions. Since 2002 she has directed a mixed CNRS/INSERM research unit - Museum, working on these themes in Paris.

Recent publications

P. Simon, F. Cannata, L. Perrouault, L. Halby, J-P. Concordet, A. Boutorine, V. Ryabinin, A. Sinyakov, C. Giovannangeli: *Sequence-specific targeted DNA cleavage mediated by bipyridine polyamide conjugates*. **Nucleic Acids Res** (2008) **36**, 3531-3538

P. B. Arimondo, C.J. Thomas, K. Oussedik, B. Baldeyrou C. Mahieu, L. Halby, D. Guianvarc'h, A. Lansiaux, S.M. Hecht, C. Bailly & C. Giovannangeli: *Exploring the cellular activity of the camptothecin-triple helix-forming oligonucleotide conjugates* **Mol. Cell. Biol.** (2006) **26**, 324-333

E. Brunet, M. Corgnali, L. Perrouault and C. Giovannangeli: *Targeting chromosomal sites with locked nucleic acid-modified triplex-forming oligonucleotides; study of efficiency dependence on DNA nuclear environment* **Nucleic Acids Res.** (2006) **34**, 4546-4553

E. Brunet, P. Alberti, L. Perrouault, R. Babu, J. Wengel & C. Giovannangeli: *Exploring cellular activity of Locked Nucleic Acid-modified triplex-forming oligonucleotides and defining its molecular basis* *J.Biol.Chem.* (2005) **280**, 20076–20085

M. Faria, D.G. Spiller, C. Dubertret, J.S. Nelson, M.R.H. White, D. Scherman, C. Hélène & C. Giovannangeli: *Phosphoramidate oligonucleotides as potent antisense molecules in cells and in vivo* *Nature Biotech* (2001) **19**, 40-44.