



**Genevieve ALMOUZNI, Ph.D**  
 Director of Institut Curie Research Centre

CURRICULUM VITAE			
<b>PERSONAL</b> Geneviève Almouzni Date of birth: August 9, 1960 Citizenship: French Married, one Child: Emmanuel (Dec 5,1990)	<b>POSITION</b> <ul style="list-style-type: none"> <li>• Senior Investigator, Head of Unit "Nuclear Dynamics &amp; Genome Plasticity" UMR 218 CNRS/Institut Curie, Paris</li> <li>• Deputy Director of the Institut Curie - Research Center for Undergraduate, Graduate and Post-graduate Educational Programme</li> <li>• Director of the Research Center of the Institut Curie</li> </ul>		
EDUCATION/INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
High Level Management Qualification, IPGR (Promotion Giovanni Domenico Cassini)		1998-99	
Formal Degree in directing Research (HDR)		1996	
Ecole Normale Supérieure Fontenay aux Roses (French "grande école") & University Paris VI, France	CAPET, Agregation & B.S.	1980-84 1984	Biochemistry and Nutrition Biochemistry
Ecole Normale Supérieure - University Paris VI & Institut Pasteur, France	Master	1985	Microbiology - Virology
University Paris VI, France	PhD	1988	Microbiology

**KEYWORDS:** Epigenetics, Chromatin, Development, Cell cycle, DNA damage & repair, Replication

**RESEARCH AND PROFESSIONAL EXPERIENCE**

- 01/09/13 – now**     **Director** of the Research Center of the Institut Curie, Paris, France
- 2009 – now**        **Deputy Director** of the Institut Curie - Research Center Educational Programme
- Jan. 2000 – now**   **Senior Investigator (DRCE-CNRS)**, Institut Curie, Paris, France.  
                               - **Head of Nuclear Dynamics and Genome Plasticity Unit**, UMR218  
                                   <http://umr218.curie.fr/en>  
                               - **Group leader of the Chromatin Dynamics team**
- 1999 - 2000**        **Senior investigator (DR1-CNRS)**, Institut Curie, Paris, France.  
                               **Head of the Unit, Genotoxicology and Modulation of the Gene Expression**, UMR218
- 1994 - 1998**        **Senior research scientist (CR1 to DR2-CNRS)** and CNRS ATIPE,  
                               **Junior group leader**, UMR 144-Institut Curie, Paris, France.
- 1991 - 1993**        **Postdoctoral associate**, Dr. A. Wolffe, National Institute of Health, Bethesda, USA.
- 1989 - 1993**        **Junior research scientist (CR2- CNRS)**, Dr. M. Méchali, Jacques Monod Institute, Paris, France.
- 1988 – 1989**        **Post-doctoral Fellow**, Dr. A. Wolffe, National Institute of Health, Bethesda, USA.

**DISTINCTIONS, AWARDS and HONORS**

- 1980 - 1985**        Entry at the ENS Fontenay-aux-Roses
- 1985 - 1987**        Special ENS fellowship for PhD research and teaching at University Paris VI, Paris, France

1987 - 1988	Association of Cancer Research (ARC) fellowship
1988 - 1989	EMBO Short term postdoctoral fellowship
1991 - 1993	EMBO Long term fellowship
1996	ATIPE CNRS & Junior group leader position at the Institut Curie, Paris, France
2000	EMBO Member (Elected) and Silver Medal from the CNRS
2003	<b>Prize</b> from La Ligue contre le Cancer, Comité des Yvelines.
2003 - 2010	<b>Member</b> of the "Faculty of 1000 Biology"
2005 - 2010	<b>Member</b> of the Scientific Advisory Committee (SAC) of the EMBL Laboratory
2006	<b>Cino et Simone del Duca Fondation Special Scientific Prize</b> by the Institut de France
2007	<b>Member</b> of Academia Europaea (Elected) and Chevalier de l'Ordre du Mérite
2011	<b>Member</b> of the EMBO Council (Elected) and Louis D. Fondation Special Scientific Prize on Epigenetics by the Institut de France and Chevalier de la Légion d'Honneur
2013	<b>FEBS/EMBO Women in Science Award</b>
2013	<b>American Association for the Advancement of Science</b> 2013 Fellow
2013	<b>French Academy of Sciences</b> 2013 Fellow

## **GRANTS AND RESEARCH COORDINATION (MOST RECENT)**

- **Deputy coordinator** of the European Network of Excellence "Epigenome" - 80 teams european wide (2004-2010)
- **Coordinator** of the French Cancéropôle project "Breast Cancer and Epigenetics" - 14 teams in several Parisian Institutes (2005-2010)
- **Principal Investigator**, Equipe labellisée La Ligue "Chromatin dynamics and genome integrity" (2008-2012)
- **Coordination** (With O. Delattre) of the French INCa consortium "Genetics and Epigenetics of Tumor : An integrated approach to profile breast cancer from model systems to biological ressources" - 10 teams at the Institut Curie (2008-2012)
- **Principal Investigator**, ANR programme "Epigenetic regulation of centromere organization and stability in mammals (EcenS)" (2009-2012)
- **Principal Investigator**, ERC Advanced Grant "Epigenetic challenges in centromere inheritance during the cell cycle (Eccentric) (2010-2015)
- **Coordinator** of the Network of Excellence "Epigenetics towards systems biology (EpiGeneSys)" - 68 teams european wide to which about 20 will be added after the 2012 selection - see <http://www.epigenesys.eu/> (2010-2015)
- **Partner** of the Integrated network "MODeling HEPatocarcinoma (MODHEP)" - 12 teams european wide + Japan (2010-2015)
- **Partner** in ANR programme (coordin. S. Amigorena) "Chromatin dynamics during T lymphocyte activation: role of HP1" (2010-2013)
- **Coordinator** of the Labex DEEP with Dr. Edith Heard (two units comprising 14 teams at the Institut Curie) (2012- 2020)

## **EDITORIAL WORK AS BOARD MEMBER OF:**

1995 - now	Journal of Cell Science
2002 - 2010	The EMBO Journal & EMBO Reports
2003 - now	Chromosoma, Biofutur
2005 - 2008	Genes & Development
2005 - 2010	Nature Reviews Molecular Cell Biology - Highlights advisor
2008 - now	Epigenomics
2009 - now	Cell, Current Opinion in Cell Biology, Nucleus
2010 - now	BMC Research Notes
2011 - now	Open Biology
2012 - now	FEBS Letters
2013 - now	Molecular Oncology

And regular reviewing for Nature, Science, Nature Cell biology, Nature Genetics, Plos biology, Plos genetics...

## SCIENTIFIC EVALUATION IN COMMITTEES

- **National advisory board**

1998 - now	<b>INSERM Workshops Committee</b> (Atelier)
2000 - 2005	<b>Doctorate School Committee</b> (Life complexity) – University of Paris VI
2000 - 2004	<b>Member of CNRS Committee</b> Development Section 28, Life Sciences
2000/01/05/06	<b>Member of CNRS Recruitment Committee</b> , Life Sciences
2008/09/10	<b>Member of Junior group</b> ATIP/AVENIR committee
2004 - 2007	<b>Scientific committee</b> of the Association of Cancer Research (ARC)
2007 - now	<b>Directorial Scientific Committee</b> (CODIS) of the National Institute of Cancer
2008 - 2011	<b>Scientific council</b> of the Fondation pour la Recherche Médicale (FRM)
2008 - now	<b>Scientific Council of Paris City</b> (Mairie) for research programmes
2010 - now	<b>Scientific Council</b> of the Institut de Biologie de l'Ecole Normale Supérieure
2010 - now	<b>Council</b> for the Master in Mol & Cell Biologie Univ. Paris VI
2010 - now	<b>Advisory Council</b> of the PRES "Université Paris Cité" for research and advanced training in a network of Universities and Institutes in Paris
2011 - now	<b>Scientific Council</b> of the Laboratoire Joliot Curie URS3010 - Lyon
2012 - now	<b>Training Council</b> of the IDEX : PSL* (13 partner institutes) in Paris
2012 - now	<b>Prize committee</b> for Allianz
2013 - now	<b>Scientific Advisory Board</b> of the National Institute of Cancer (INCa)

- **International**

2001 - 2003	<b>Transregio programme</b> (DFG), Germany
2003 - 2008	<b>Career Development</b> (CDC), the European Life Scientist Organization
2004 - 2008	<b>Advisory Board</b> for the european project INTACT (K. Helin)
2005 - 2008	<b>Telethon Scientific Committee</b> , Italy.
2005 - 2010	<b>Scientific Advisory Committee</b> (SAC) of the EMBL Laboratory, Germany
2006 - 2011	<b>Scientific Advisory Board</b> in CONSOLIDER INGENIO 2010 (M. Beato), Spain
2007 - now	<b>Panel member</b> for the NCCR program "Frontiers in Genetics - Genes, Chromosomes and Development", Switzerland
2008	<b>Quinquennial Review Panel</b> of LRI (London, UK)

2008, 2010	<b>Panel Member</b> of the European Research Council, panel LS1: "Molecular and structural biology and biochemistry"
2008 - now	<b>International Scientific Advisory</b> Board of the Gurdon Institute, Cambridge, UK
2008 - now	<b>International Consulting Committee</b> (ICC) of the Cancer Epigenetics and Biology Program (PEBC), Barcelona, Spain
2008 - 2011	<b>EMBO Membership Committee</b> , European
2011 - now	<b>EMBO Council</b> , European
2011 - now	<b>International Scientific Advisory</b> Board of the Babraham Institute, Cambridge, UK
2012 - now	<b>International Scientific Advisory</b> Board of the CNIO, Madrid, Spain and evaluations for grants and promotions for agencies and institutions in Europe, US and Japan.

- **PhD & HDR committees** : over 60 in France, UK and Switzerland.

### **MEMBER OF SCIENTIFIC SOCIETIES**

1994 - now	American Association For Advances in Sciences
2000 - now	EMBO member
2007 - now	Academia Europaea
2008 - now	Board of International Society of Differentiation

### **SEMINARS AND CONFERENCES**

- **Invitations** to over 260 conferences in Europe, USA and Japan, including session chair and keynote
- **Organization of recent conferences and Courses**

2003 - 2011	Chromatin and Epigenetics /Alan Wolffe EMBO conferences (EMBO conference series, every other year, Heidelberg, Germany
2004 - now	Epigenetics course, Institut Curie, Paris, France, yearly
2006 and 2008	Cold Spring Harbor Laboratory conference on Dynamic Organization of Nuclear Function, Cold Spring Harbor, NY, USA,
2007	FASEB Conference on Chromatin and Transcription Snowmass, USA,
2004 - 2010	Annual NoE meetings Epigenome network of Excellence, Brno, Heidelberg, Naples, Stockholm, Edinburg, Vienna,
2009	Epigenetics and Breast Cancer Meeting, Institut Curie, Paris, France,
2009	Nuclear Organisation Workshop, Institut Curie, Paris, France
2010	Vice Chair of GRC Chromatin Structure & Function, Smithfield, RI, USA,
2010	Kick-off meeting EpiGeneSys, Institut Curie, Paris, France
2011	Annual meeting EpiGeneSys, Vienna, Austria,
2012	Co-chair Keystone Symposium Chromatin Dynamics & Epigenomics, Keystone, USA,
2012	Chair of GRC Chromatin Structure & Function, Il Ciocco, Italy,

## **PUBLICATIONS** : Since 1988 over 170 publications and four patents

Almouzni G. PhD thesis (1988). Utilisation d'un système dérivé d'oeufs de Xénope pour étudier la réplication et l'assemblage en chromatine de l'ADN. Edited by Paris VI University, France.

1. Almouzni G. & Méchali M. (1988). Assembly of spaced chromatin promoted by DNA synthesis in extracts from Xenopus eggs. **EMBO J.**, **7**, 665-672.
2. Almouzni G. & Méchali M. (1988). Removal of RNA by RNase treatment of agarose or acrylamide gel *In-situ*. **Trends in Genetics**, **4**, 270.
3. Almouzni G. & Méchali, M. (1988). Assembly of spaced chromatin : Involvement of ATP and DNA topoisomerase activity. **EMBO J.**, **7**, 4355-4365.
4. Almouzni G., Mousseron-Grall S. & Méchali M. (1988). Oligonucleotide site-directed mutagenesis in Xenopus egg extracts. **Nucleic Acids Res.**, **16**, 8525-8539.
5. Almouzni G. & Méchali M. (1988). DNA replication promotes assembly of spaced chromatin *in vitro*. **Cancer Cells**, **6**, Ed. Cold Spring Harb. Laboratory, pp.479-484.
6. Méchali M., Gusse M., Vríz S., Taylor M., Andéol Y., Moreau J., Hourdry J., Leibovici M., Brulfert A., Almouzni G. & Mousseron-Grall S. (1988). Proto- oncogenes and embryonic development. **Biochimie**, **70**, 895-899.
7. Almouzni G. & Méchali, M. (1988). Xenopus egg extracts: a model system for chromatin replication. **Biochem. Biophys. Acta**, **951**, 443-450.
8. Brook P., Dohet C., Almouzni G., Méchali M. & Radman M. (1989). Mismatch repair involving localized DNA synthesis in extracts of Xenopus eggs. **Proc. Natl. Acad. Sci. USA**, **86**, 4425-4429.
9. Mousseron-Grall S., Almouzni G. & Méchali M. (1989). *In vitro* site-directed mutagenesis using Xenopus egg extracts. **DNA and Protein Engineering Techniques**, **2**, 38-41.
10. Almouzni G., Méchali M. & Wolffe A.P. (1990). A competition exists between transcription complex assembly and chromatin assembly on replicating DNA. **EMBO J.**, **9**, 573-582.
11. Almouzni G., Clark D., Méchali M. & Wolffe A.P. (1990). Chromatin assembly on replicating DNA *in vitro*. **Nucleic Acids Res.**, **18**, 5767-5774.
12. Méchali M., Almouzni G., Andéol Y., Moreau J., Vríz S., Leibovici M., Hourdry J., Géraudie J., Soussi T. & Gusse M. (1990). Genes and mechanisms involved in early embryonic development in Xenopus laevis. **Int. J. Dev. Biol.**, **34**, 43-51.
13. Almouzni G., Méchali M. & Wolffe A.P. (1991). Transcription complex disruption caused by a transition in chromatin structure. **Mol. Cell. Biol.**, **11**, 655-665.
14. Almouzni G., Wolffe A.P. & Méchali M. (1991). Assemblage de chromatine répliquative et expression de gènes de classe III dans des extraits d'oeufs de Xénope. Edited by C.N.R.S Press, Paris (France) p. 211-219.
15. Burnol A.F., Margottin F., Huet J., Almouzni G., Prioleau M-N., Méchali M. & Sentenac A. (1993). TFIIIC relieves repression of U6 snRNA transcription by chromatin. **Nature**, **362**, 475-477.
16. Dimitrov S., Almouzni G., Dasso M. & Wolffe A.P. (1993). Chromatin transitions during early Xenopus embryogenesis: Changes in Histone H4 Acetylation and in Linker Histone Type. **Dev. Biol.**, **160**, 214-227.
17. Almouzni G. & Wolffe A.P. (1993). Replication coupled chromatin assembly is required for the repression of basal transcription *in vivo*. **Genes and Dev.**, **7**, 2033-2047.

18. Almouzni G. et Wolffe A.P. (1993). Nuclear Assembly, Structure, and Function: The use of *Xenopus in vitro* systems. **Exp. Cell Res.**, **205**, 1-15.
19. Wolffe A.P., Almouzni G., Ura K., Pruss D. et Hayes J.J. (1993). Transcription factor access to DNA in the nucleosome. Ed. Cold Spring Harb. Laboratory, **vol LVIII**, p. 225-235.
20. Familiari M., Almouzni G. et Wolffe A.P. (1994). Isolation of a potentially functional Y box protein (MSY 1) processed pseudogene from mouse. **Gene**, **141**, 225-259.
21. Almouzni G., Dimitrov S., Khochbin S. & Wolffe A.P. (1994). Histone acetylation influences both gene expression and development of *Xenopus*. **Dev. Biol.**, **165**, 654-669.
22. Almouzni G. (1994). The Origin Replication Complex (ORC): the stone that kills two birds. **Bioessays**, **16**, 233-235.
23. Almouzni G. & Wolffe A.P. (1995). Constraints on transcriptional activator function contribute to transcriptional quiescence during early *Xenopus* embryogenesis. **EMBO J.**, **14**, 1752-1765.
24. Landsberger N., Ranjan M., Almouzni G., Stump D. & Wolffe A.P. (1995). The heat shock response in *Xenopus* oocytes, embryos and somatic cells: an essential regulatory role for chromatin. **Dev. Biol.**, **170**, 62-74.
25. Gaillard P.-H.L., Martini E. M.-D., Kaufman P.D., Stillman B., Moustacchi E. & Almouzni G. (1996). Chromatin assembly coupled to DNA repair : a new role for chromatin assembly factor-1. **Cell**, **86**, 887-896.
26. Bellier S., Dubois M.-F., Nishida E., Almouzni G., & Bensaude O. (1997). Phosphorylation of RNA polymerase II largest subunit during *Xenopus laevis* oocyte maturation. **Mol. Cell Biol.**, **17**, 1434-1440.
27. Ura K., Kurumizaka H., Dimitrov S., Almouzni G. & Wolffe A.P. (1997). Histone acetylation: influence on transcription, nucleosome mobility and positioning, and linker histone-dependent transcriptional repression. **EMBO J.**, **16**, 2096-2107
28. Gaillard P.-H.L., Moggs J.G., Roche D.M., Quivy J.P., Becker P.B., Wood R. D. & Almouzni G. (1997). Initiation and bidirectional propagation of chromatin assembly from a target site for nucleotide excision repair. **EMBO J.**, **16**, 6281-6289.
29. Almouzni G. (1997). Chromatin: Assembly of chromatin and nuclear structures in *Xenopus* egg extracts. A Practical Approach. Oxford University Press (H. Goud, Ed.), Chap. 10, pp. 195-218.
30. Taddei A. & Almouzni G. (1997). Les acétyl-transférases et désatylases des histones : des co-régulateurs de la transcription. **Med. Sci.(Expression Génique)**, **13**, 1205-1209.
31. Lorain S., Quivy J.P., Monier-Gavelle F., Scamps C., Lecluse Y., Almouzni G. & Lipinski M. (1998). Core histones and *HIRIP3*, a novel histone-binding protein, among direct interactors of the WD repeat protein *HIRA*. **Mol. Cell. Biol.**, **18**, 5546-5556.
32. Verheggen C., Le Panse S., Almouzni G. & Hernandez-Verdun D. (1998). Presence of pre-RNAs before activation of polymerase I transcription in the building process of nucleoli during early development of *Xenopus laevis*. **J. Cell. Biol.**, **142**, 1-15.
33. Martini E., Roche D.M., Marheineke K., Verreault A. & Almouzni G. (1998). Recruitment of phosphorylated chromatin assembly factor 1 to chromatin following UV irradiation of human cells. **J. Cell. Biol.**, **143**, 3, 563-575.
34. Almouzni G. (1998) Assembly of arrays of nucleosomes : *In vitro* using *Xenopus* egg extracts and *in vivo* using microinjection into *Xenopus* oocytes. **Ateliers de formation INSERM n° 95**, Le Vésinet, 29-30 janvier 1998 & Paris, 31 janvier 1998.
35. Taddei A., Roche D., Sibarita J.B., Turner B.M. & Almouzni G. (1999) Duplication and maintenance of heterochromatin domains. **J. Cell. Biol.**, **147**, 1153-1166.
36. Björklund S., Almouzni G., Davidson I., Nightingade K.P. & Weiss K. (1999) Global transcription regulators of eukaryotes. Meeting Review HFSP, **Cell**, **96**, 1-20.

37. Moggs J.G. & Almouzni G. (1999a). Assays for chromatin remodelling during DNA repair. In Chromatin. *Methods in Enzymology*, Wassarman, P. & Wolffe, A. (Eds), Academic Press, **304**, 331-351.
38. Moggs J.G. & Almouzni G. (1999b). Chromatin rearrangements during nucleotide excision repair. *Biochimie*, **81**, 45-52.
39. Gaillard P.H., Roche D. & Almouzni G. (1999) Nucleotide excision repair coupled to chromatin assembly. *Methods Mol. Biol.*, **119**, Humana Press, Totowa (P. Becker, Ed.), pp. 231-243.
40. Almouzni G. Co-éditeur (1999) *Transcription regulation in eukaryotes*. Eds. : P. Chambon, T. Fukasawa, R.D. Kornberg, C. Coath. Co-Eds. : G. Almouzni, S. Bjorklund, I. Davidson, K. Nightingale, K. Weiss. HFSP Workshop Reports Series – Workshop VII.
41. Moggs J., Grandi P., Quivy J.P., Jönsson Z.O., Hübscher U., Becker P.B. & Almouzni G. (2000) A CAF-1 / PCNA mediated chromatin assembly pathway triggered by sensing DNA damage. *Mol. Cell. Biol.*, **20**, 1290-1299.
42. Belikov S., Gelius B., Almouzni G. & Wrangé Ö. (2000) Hormone activation induces nucleosome positioning *in vivo*. *EMBO J.*, **19**, 1023-1033.
43. Verheggen C., Almouzni G. & Hernandez-verdun D. (2000) The ribosomal RNA processing machinery is recruited to the nucleolar domain prior to RNA polymerase I during *Xenopus laevis* development. *J. Cell Biol.*, **149**, 293-305.
44. Ridgway P., Quivy J.P. & Almouzni G. (2000) Tetracycline-regulated gene expression switch in *Xenopus laevis*. *Exp. Cell. Res.*, **256**, 392-399.
45. Taddei A., Ray-Gallet D. & Almouzni G. (2000) Le nucléosome sous influence : Un réseau complexe de facteurs pour l'assembler / le remodeler. *Médecine/Sciences*, **16**, 603-610.
46. Ridgway P. & Almouzni G. (2000) CAF-1 and the inheritance of chromatin states : at the crossroads of DNA replication and repair. *J. Cell Sci.*, **113**, 2647-2658.
47. Almouzni G. & Kaufmann P.D. (2000) Chapter 2 : Chromatin assembly DNA replication and repair. In "Chromatin and gene expression", *Frontiers in Molecular Biology*, Eds. : J. Workman, S. Elgin, Oxford University Press, 2<sup>nd</sup> Edition, pp. 24-48.
48. Ladoux B., Quivy J.P., Doyle P., du Roure O., Almouzni\* G. & Viovy\* J.L. (2000) Fast kinetics of chromatin assembly revealed by single-molecule video-microscopy and scanning force microscopy. \* Contribution équivalente. *Proc. Natl. Acad. Sci. USA*, **97**, 14251-14256.
49. Taddei A., Maison C., Roche D. & Almouzni G. (2001) Reversible disruption of pericentric heterochromatin and centromere function by inhibiting deacetylases in mammalian cells. *Nature Cell Biol.*, **3**, 114-120.
50. Mello J. & Almouzni G. (2001) The ins and outs of nucleosome assembly. *Curr. Opin. Genet. Develop.*, **11**, 136-141.
51. Quivy\* J.P., Grandi\* P. & Almouzni G. (2001) Dimerization of the largest subunit of Chromatin Assembly Factor-1 : Importance *in vitro* and during *Xenopus* early development. \* Contribution équivalente. *EMBO J.*, **20**, 2015-2027.
52. Palancade B., Bellier S., Almouzni G. & Bensaude O. (2001) Incomplete RNA polymerase II phosphorylation in *Xenopus laevis* early embryos. *J. Cell Sci.*, **114**, 2483-2489.
53. Brand M., Moggs J.G., Oulad-Abdelghani M., Lejeune F., Dilworth J., Stevenin J., Almouzni G. & Tora L. (2001) A UV-damaged DNA binding protein in the TFIIIC complex links DNA damage recognition to nucleosome acetylation *EMBO J.*, **20**, 3187-3196.
54. Ridgway P. & Almouzni G. (2001) General steps during chromatin assembly and diversity in chromatin organization. *J. Cell Sci.*, **114**, 2711-2712.
55. Verheggen C., Le Panse S., Almouzni G. & Hernandez-Verdun D. (2001) Maintenance of nucleolar machineries and pre-rRNAs in remnant nucleolus of erythrocyte nuclei and embryonic reprogramming in *Xenopus* egg extracts. *Exp. Cell Res.*, **269**, 23-34.

56. Taddei A., Roche D., Sibarita J.B., Huart S., Maison C., Bailly D. & Almouzni G. (2001) Localizing replication sites and nuclear proteins. **Ateliers de formation INSERM n° 128**, La-Londe-Les-Maures, 28-30 juin 2001.
57. B. Ladoux, J.P. Quivy, P.S. Doyle, G. Almouzni G. & J.L. Viovy (2001) Direct imaging of single-molecules : From dynamics of a single DNA chain to the study of complex DNA-protein interactions. **Science Progress** , **84**, 267-290.
58. Green C.M. & Almouzni G. (2002) When repair meets chromatin. **EMBO Reports**, **3**, 28-33.
59. Maison C., Bailly D., Peters A., Quivy J.P., Roche D., Taddei A., Lachner M., Jenuwein T. & Almouzni G. (2002) Higher-order structure in pericentric heterochromatin involves a distinct pattern of histone modification and an RNA component. **Nature Genetics**, **30**, 329-334.
60. Mello J., Silljé H., Roche D., Kirschner D., Nigg E. & Almouzni G. (2002) Human ASF-1 and CAF-1 interact and synergize for a repair coupled nucleosome assembly pathway. **EMBO Reports**, **3**, 329-334.
61. Ray-Gallet D., Quivy J.P., Scamps C., Martini E., Lipinski M. & Almouzni G. (2002) HIRA is critical for a nucleosome assembly pathway independent of DNA synthesis. **Mol. Cell**, **9**, 1091-1100.
62. Ridgway P., Maison C. & Almouzni G. (2002) Functional organization of the genome : chromatin. **Atlas Genet. Cytogenet. Oncol. Haematol.**  
<http://www.infobiogen.fr/services/chromcancer/Deep/ChromatinDeep.html>
127. Green C.M. & Almouzni G. (2003) Local action of the chromatin assembly factor CAF-1 at sites of nucleotide excision repair in vivo. **EMBO J.**, **22**, 5163-5174.
128. Quivy J.P. & Almouzni G. (2003) Rad53 : A controller ensuring the fine-tuning of histone levels. **Cell**, **115**, 508-510.
129. Gontijo A., Green C.M. & Almouzni G. (2003) Repairing DNA damage in chromatin. **Biochimie**, **85**, 1133-1147.
130. Tagami H., Ray-Gallet D., Almouzni G. & Nakatani Y. (2004) Histone H3.1 and H3.3 complexes mediate nucleosome assembly pathways dependent or independent of DNA synthesis. **Cell**, **116**, 51-61.
131. Ray-Gallet D. & Almouzni G. (2004) DNA synthesis dependent and independent chromatin assembly pathways in *Xenopus* egg extracts. **Methods in Enzymology**, **375** "Chromatin and Chromatin remodelling Enzymes", Part A (C.D. Allis, C. Wu, Eds), Academic Press, San Diego, pp. 117-131.
132. Loyola A. & Almouzni G. (2004) Histone chaperones, a supporting role in the limelight. **Biophys. Biochem. Acta**, **1677**, 3-11.
133. Maison C. & Almouzni G. (2004) HP1 and the dynamics of heterochromatin maintenance. **Nature Rev. Mol. Cell. Biol.**, **5**, 296-304.
134. Polo S., Theocharis S.E., Klijanienko J., Savignoni A., Asselain B., Vielh P. & Almouzni G. (2004) Chromatin assembly factor-1, a marker of clinical value to distinguish quiescent from proliferating cells. **Cancer Res.** , **64**, 2371-2381.
135. Gérard\* A., Polo\* S., Ray-Gallet D. & Almouzni G. (2004) L'art et la manière de faire des nucléosomes. **Biofutur**, **243**, 21-25. \* Contribution équivalente.
136. Almouzni G. (2004) Update on epigenetics. **Biofutur**, **243**, 1.
137. Loyola A. & Almouzni G. (2004) Deciphering the histone code by bromodomains in living cells. **Trends in Cell Biol.**, **14**, 279-281.
138. Mello J., Moggs J. & Almouzni G. (2004) Analysis of repair and chromatin assembly *in vitro* using immobilized damaged DNA substrates. **Methods in Molecular Biology**, **281**, "Checkpoint Controls and Cancer", volume 2 : Activation and regulation protocols (Edited by A.H. Schönthal. Humana press Inc., Totowa NJ, pp. 271-281.



139. Koundrioukoff\* S., Polo\* S. & Almouzni G. (2004) Interplay between chromatin and cell cycle checkpoints in the context of ATR/ATM dependent checkpoints. *DNA Repair*, Special Issue on the Double-Strand Break Response, **3**, 969-978. \* Contribution équivalente.
140. Guenatri M., Bailly D., Maison C. & Almouzni G. (2004) Mouse centric and pericentric satellite repeats form distinct heterochromatin domains. *J. Cell. Biol.*, **166**, 493-505.
141. Quivy J.P., Roche D., Kirschner D., Tagami H., Nakatani Y. & Almouzni G. (2004). A CAF-1 dependent pool of HP1 during heterochromatin duplication. *EMBO J.*, **23**, 3516-3526.
142. Nakatani Y., Ray-Gallet D., Quivy J.P., Tagami H. & Almouzni G. (2004) Two distinct nucleosome assembly pathways : dependent or independent of DNA synthesis promoted by histone H3.1 and H3.3 complexes. In "*Cold Spring Harbor Symposia on Quantitative Biology : Epigenetics*", Cold Spring Harbor Laboratory Press, vol. **69**, pp. 1-8.
143. Gérard A., Polo S. & Almouzni G. (2005) Nom de code : histone. *Pour la Science*, dossier n° **46**, 71-75.
144. Groth A., Ray-Gallet D., Quivy J.P., Lukas J., Bartek J. & Almouzni G. (2005) Human Asf1 regulates the flow of S-phase histones during replicational stress. *Mol. Cell*, **17**, 301-311.
145. Polo S. & Almouzni G. (2005) Histone metabolic pathways and chromatin assembly factors as proliferation markers. *Cancer Letters*, **220**, 1-9.
146. Ray-Gallet D., Gérard A., Polo S. & Almouzni G. (2005) Variations sur le thème du "code histone". *Médecine/Sciences*, **21**, 384-389.
147. Taddei A., Roche D., Bickmore W.A. & Almouzni G. (2005) Effects of histone deacetylase inhibitors on heterochromatin : Implications for anticancer therapy ? *EMBO Reports* , **6**, 520-524.
148. Esteller M. & Almouzni G. (2005) How epigenetics integrate nuclear functions ? *EMBO Reports* , **6**, 624-628.
149. Wagner G, Bancaud A, Quivy J.P, Clapier C, Almouzni G., Viovy J.L (2005) Compaction Kinetics on single DNAs : purified nucleosome reconstitution systems versus crude extract. *Biophysical Journal*, 105.062786, 10.1529.
150. Roche D., Almouzni G. & Quivy J.P. (2005) Chromatin assembly of DNA templates micro-injected into *Xenopus* oocytes. In "*Protocols in Xenopus : Cell Biology and Signal Transduction*" , vol. **322**, X.J. Liu Ed., Humana Press Inc. Totowa (NJ), pp. 139-147.
151. Roche D. & Almouzni G. (2005) TSA treatment of mammalian cells. <http://www.epigenome-noe.net/researchtools/protocol.php>.
152. Maison C. & Almouzni G. (2005) RNase : A treatment of mouse cells. <http://www.epigenome-noe.net/researchtools/protocol.php>.
153. Almouzni G. & Kirschner D. (2006) Nucleosome assembly coupled to DNA repair synthesis using a human cell free system. In "*Cell Biology Protocols*", R. Harris, J. Graham, D. Rickwood Eds., John Wiley & Sons, Chichester (UK), pp. 204-208.
154. Polo S. & Almouzni G. (2006) Chromatin assembly : a basic recipe with various flavors. *Current Opinion in Genetics and Development*, **16**, 104-111.
155. Almouzni G. (2006) Histone dynamics, heritability and variants. *Henry Stewart Talks Series on "Epigenetics"*.
156. Almouzni G. (2006) Histone dynamics, heritability and variants. *Henry Stewart Talks Series on "Understanding Eukaryotic Gene Regulation"*.
157. Gérard\* A., Polo\* S., Roche D. & Almouzni G. (2006) Methods for studying chromatin assembly coupled to DNA repair. *Methods in Enzymology*, Academic Press, San Diego, **409**, 358-374. \*Equivalent contribution.
158. Gérard A., Koundrioukoff S., Ramillon V., Sergère J.C., Mailand N., Quivy J.P. & Almouzni G. (2006) The replication kinase Cdc7-Dbf4 promotes the interaction of the p150 subunit of Chromatin Assembly Factor 1 with proliferating cell nuclear antigen. *EMBO Reports* , **7**, 817-823.

159. Loyola A., Bonaldi T., Roche D., Imhof A. & Almouzni G. (2006) PTMs on H3 variants before chromatin assembly potentiate their final epigenetic state. *Mol. Cell*, **24**, 309-316. (en couverture de numéro)
160. Polo S., Roche D. & Almouzni G. (2006) Evidence for new histone incorporation marking sites of UV-repair in human cells. *Cell*, **127**, 481-493. (en couverture de numéro)
161. Kaufmann P. & Almouzni G. (2006) Chromatin assembly. In "*DNA Replication in Eukaryotic Cells*", 2<sup>nd</sup> Edition, Chapter 6, Cold Spring Harbor Press, pp. 121-140.
162. Houlard M., Berlivet S., Probst A., Quivy J.P., Héry P., Almouzni G. & Gérard M. (2006) CAF-1 is essential for heterochromatin organization in pluripotent embryonic cells. *PLoS Genetics*, **2**, 1686-1696.
163. Gérard A., Quivy J.P. & Almouzni G. (2006) PCNA and epigenetic maintenance. In "*Proliferating Cell Nuclear Antigen*", Eds. : H. Lee & M. Szyf, pp. 123-141.
164. Almouzni G. & P. Avner (2006) Le Réseau d'Excellence "Epigénome". *Biofutur*, **25/268**, 67-69.
165. Groth A., Rocha W., Verreault A. & Almouzni G. (2007) Chromatin challenges during DNA replication and repair. *Cell*, **128**, 721-733.(en couverture de ce numéro spécial Epigénétique, avec Podcast dans Cell également)
166. Polo S. & Almouzni G. (2007) Chromatin dynamics during the repair of DNA lesions. *Médecine/Science*, **23**, 29-31.
167. Probst A., Santos F., Reik W., Almouzni G. & Dean W. (2007) Structural differences in centromeric heterochromatin are spatially reconciled on fertilisation in the mouse zygote. *Chromosoma*, **116**, 403-15.
168. Corpet A. & Almouzni G. (2007) More means of regulating genes. *Science*, **316**, 1126-1127.
169. Ray-Gallet D., Quivy J.P., Silljé H.W.W., Nigg E.A. & Almouzni G. (2007) The histone chaperone Asf1 is dispensable for direct *de novo* histone deposition in *Xenopus* egg extracts. *Chromosoma*, **116**, 487-496.
170. Panteleeva I., Boutillier S., See V., Spiller D.G., Rouaux C., Almouzni G., Bailly D., Maison C., Lai H., Loeffler J.P. & Boutillier A.L. (2007) HP1 $\alpha$  guides neuronal fate by timing E2F-targeted genes silencing during terminal differentiation. *EMBO J.*, **26**, 3616-3628.
171. Polo S. & Almouzni G. (2007) DNA damage leaves its mark on chromatin. *Cell Cycle*, **6**, 2355-2359.
172. Loyola A. & Almouzni G. (2007) Marking histone H3 variants make your choice or let's play the game. *Trends in Biochem. Sc.*, **32**, 425-433.
173. De Koning L., Corpet A., Haber J.E. & Almouzni G. (2007) Histone chaperones : An escort network regulating histone traffic. *Nature Struct. & Mol. Biol.*, **14**, 997-1007.
174. Groth A., Corpet A., Cook A., Roche D., Bartek J., Lukas J. & Almouzni G. (2007) Regulation of replication fork progression through histone supply/demand. *Science*, **318**, 1928-1931 (*Research Roundup : R. Robinson (2008) Histone chaperone regulates replication. J. Cell Biol.*, **180**, 250. *Faculty 1000 highlights TOP 10*)
175. Probst A. & Almouzni G. (2008) Pericentric heterochromatin : dynamics organization during early development in mammals. *Differentiation*, **76**, 15-23. Cover of the issue.
176. Lacoste N. & Almouzni G. (2008) Epigenetic memory : H3.3 steps in the groove. *Nature Cell Biol.*, **10**, 7-9.
177. Almouzni G. (2008) The subtleties of transcription regulation. *Nature*, **451**, 869.
178. Hajkova P., Ancelin K., Waldmann T., Lacoste N., Lange U.C., Cesari F., Lee C., Almouzni G., Schneider R. & Surani A. (2008) Chromatin dynamics in the process of epigenetic reprogramming in the mouse germ line. *Nature*, **452**, 877-881.

179. Quivy J.P., Gérard A., Cook A.J.L., Roche D., Moné M. & Almouzni G. (2008) A functional HP1-CAF-1 interaction module necessary to replicate and propagate pericentric heterochromatin impacts on S-phase progression in mouse cells. *Nature Struct. & Mol. Biol.*, **15**, 972-979.
180. Corpet A. & Almouzni G. (2009) Making copies of chromatin : the challenge of nucleosomal organization and epigenetic information. *Trends Cell Biol.*, **19**, 29-41. (couverture de numéro)
181. Probst A.V., Dunleavy E. & Almouzni G. (2009) Epigenetic inheritance during the cell cycle. *Nature Rev. Mol. Cell. Biol.*, **10**, 192-206.
182. Klapholz B., Dietrich B.H., Schaffner C., Hérédia F., Quivy J.P., Almouzni G. & Dostatni N. (2009) CAF-1 is required for efficient replication of euchromatic DNA in Drosophila larval endocycling cells. *Chromosoma*, **118**, 235-248.
183. Dunleavy E.M., Roche D., Tagami H., Lacoste N., Ray-Gallet D., Nakamura Y., Daigo Y., Nakatani Y. & Almouzni G. (2009) HJURP, a key CENP-A-partner for maintenance and deposition of CENP-A at centromeres at late telophase/G1. *Cell*, **137**, 485-497 (Preview : Mellone B.G., Zhang W. & Karpen G.H. (2009) Frosdos Found : Behold the CENP-A "Ring" bearers. *Cell*, **137**, 409-412)
184. De Koning L., Savignoni A., Boumendil C., Rehman H., Asselain B., Sastre-Garau X. & Almouzni G. (2009) Heterochromatin protein 1 $\alpha$  : a hallmark of cell proliferation relevant to clinical oncology. *EMBO Mol. Med.*, **1**, 178-191.
185. Loyola A., Tagami H., Bonaldi T., Roche D., Quivy J.P., Imhof A., Nakatani Y., Dent S.Y.R. & Almouzni G. (2009) The HP1 $\alpha$ -CAF-1-SetDB1-containing complex provides H3K9me1 for Suv39-mediated K9me3 in pericentric heterochromatin. *EMBO Rep.*, **10**, 769-775.
186. Corpet A. & Almouzni G. (2009) A histone code for the DNA damage response in mammalian cells ? *EMBO J.*, **28**, 1828-1830.
187. Bollet M.A., Savignoni A., De Koning L., Perennou C.T., Barbaroux C., Degeorges A., Sigal-Zafrani B., Almouzni G., Cottu P., Salmon R., Servant N., Fourquet A. & De Crémoux P. (2009) Tumour aromatase expression as a prognostic factor for local control in young breast cancer patients after breast-conserving treatment. *Breast Cancer Res.*, **11**:R54 (doi:10.1186/bcr2343).
188. Groth A. & Almouzni G. (2009). Replicating Chromatin. Book chapter in "Molecular Themes in DNA Replication", Royal Society of Chemistry (Cambridge, UK). Edited by Lynne S. Cox, pp. 297-315.
189. Jasencakova Z., Scharf A.N.D., Ask K., Corpet A., Imhof A., Almouzni G. & Groth A. (2010) Replication stress interferes with histone recycling and pre-disposition marking of new histones. *Mol Cell*, **37**, 736-743.
190. Ray-Gallet D. & Almouzni G. (2010) Mixing or not mixing. *Science*, **328**, 56-57.
191. Ray-Gallet D. & Almouzni G. (2010) Nucleosome dynamics and histone variants. Nucleosome dynamics and histone variants. *Essays Biochem.*, **48**, 75-87.
192. Probst A.V., Okamoto I., Casanova M., ElMarjou F., Le Baccon P. & Almouzni G. (2010) A strand-specific burst in transcription of pericentric satellites is required for chromocenter formation and early mouse development. *Dev. Cell*, **19**, 625-638 (couverture + Highlight dans Nature Genetics).
193. Polo S., Theocharis S., Grandin L., Gambotti L., Antoni G., Asselain B., Patsouris E. & Almouzni G. (2010) Clinical significance and prognostic value of Chromatin Assembly Factor-1 overexpression in human solid tumors. *Histopathology*, **57**, 716-724.
194. Maison C., Quivy J.P., Probst A.V. & Almouzni G. (2010) Heterochromatin at mouse pericentromeres : a model for *de novo* heterochromatin formation and duplication during replication. In "*Cold Spring Harbor Symposia on Quantitative Biology*", **75**, 155-165.
195. Corpet A., De Koning L., Toedling J., Savignoni A., Berger F., Lemaitre C., O'Sullivan R.J., Karlseder J., Barillont E., Asselain B., Sastre-Garau X. & Almouzni G. (2011) Asf1b, the necessary Asf1 isoform for proliferation, is predictive of outcome in breast cancer. *EMBO J.*, **30**, 480-493.
196. Szenker E., Ray-Gallet D & Almouzni G. (2011) The double face of the histone variant H3.3. *Cell Res.* Online publication 25 January 2011; doi:10.1038/cr.2011.14

197. Bernad R., Sanchez P., Rivera T., Rodriguez-Corsino M., Boyarchuk E., Vassias I., Ray-Gallet D., Arnaoutov A., Dasso M., [Almouzni G.](#) & Losada A. (2011) Xenopus HJURP and condensin II are required for CENP-A assembly. *J. Cell Biol.*, **192**, 569-582.
198. Maison C., Bailly D., Roche D., Montes de Oca R., Probst A.V., Vassias I., Dingli F., Lombard B., Loew D., Quivy J.P. & [Almouzni G.](#) (2011) SUMOylation promotes *de novo* targeting of HP1 $\alpha$  to pericentric heterochromatin. *Nature Genet.*, **43**, 220-227.
199. Probst A.V. & [Almouzni G.](#) (2011) Heterochromatin establishment in the context of genome wide epigenetic reprogramming. *Trends in Genetics*, **27**, 177-185.
200. Baldeyron C., Soria G., Roche D., Cook A.J.L. & [Almouzni G.](#) (2011) HP1 $\alpha$  recruitment to DNA damage by p150CAF-1 promotes homologous recombination repair. *J. Cell Biol.*, **193**, 81-95.
201. Boyarchuk E., Montes de Oca R. & [Almouzni G.](#) (2011) Cell cycle dynamics of histone variants at the centromere, a model for chromosomal landmarks. *Curr. Opin. Cell Biol.*, **23**, 266-270.
202. Clark J. & [Almouzni G.](#) (2011) Un autre niveau de régulation des gènes. *Biofutur*, **30/321**, 42-45.
203. Dunleavy E.M., [Almouzni G.](#) & Karpen G.H. (2011) H3.3 is deposited at centromeres in S phase as a placeholder for newly assembled CENP-A in G1 phase. *Nucleus*, **2**, 146-157.
204. Corpet A. & [Almouzni G.](#) (2011) DNA replication and inheritance of epigenetic states. Book chapter in "Genome organization and function in the mammalian cell nucleus", Wiley-VCH book (Weinheim, Germany), pp. 365-394.
205. [Almouzni G.](#) & Probst A.V. (2011) Heterochromatin maintenance and establishment : lessons from the mouse pericentromere. *Nucleus*, **2**, 332-338.
206. Alvarez F., Munoz F., Schilcher P., Imhof A., [Almouzni G.](#) & Loyola A. (2011) Sequential establishment of marks on soluble histones H3 and H4. *J. Biol. Chem.*, **286**, 17714-17721.
207. [Almouzni G.](#) & Hayes J.J. (2011) Meeting report : International Symposium on the Physicochemical Field for Genetic Activities (Awaji Island, Japan, January 24-26, 2011). *Nucleus* **2**, 253-257.
208. Kirschner M.W., Shapiro L., McAdams H., [Almouzni G.](#), Sharp P.A., Young R.A. & Alon U. (2011) Fifty years after Jacob and Monod : What are the unanswered questions in molecular biology ? *Mol. Cell*, **42**, 403-404.
209. Cook A.J.L., Gurard-Levin Z.A., Vassias I. & [Almouzni G.](#) (2011) A specific function for the histone chaperone NASP to fine-tune a reservoir of soluble H3-H4 in the histone supply chain. *Mol. Cell*, **44**, 918-927.
210. Ray-Gallet D., Woolfe A., Vassias I., Pellentz C., Lacoste N., Puri A., Schultz D.C., Pchelintsev N.A., Adams P.D., Jansen L.E. & [Almouzni G.](#) (2011) Dynamics of histone H3 deposition *in vivo* reveal a nucleosome gap-filling mechanism for H3.3 to maintain chromatin integrity. *Mol. Cell*, **44**, 928-941.
147. Schöpf B., Bregenhorn S., Quivy J.P., Kadyrov F.A., [Almouzni G.](#) & Jiricny J. (2012) Interplay between mismatch repair and chromatin assembly. *Proc. Natl. Acad. USA*, **109**, 1895-1900.
148. Maison\* C., Romeo\* K., Bailly D., Dubarry M., Quivy J.P. & [Almouzni G.](#) (2012) The SUMO protease SENP7 is a critical component of pericentric heterochromatin to ensure local HP1 enrichment. *Nature Struct. Mol. Biol.*, **19**, 458-460. \*Equivalent contribution
149. Cantaloube S., Roméo K., Le Baccon P., [Almouzni G.](#) & Quivy J.P. (2012) Characterization of chromatin domains by 3D fluorescence microscopy: Automated methodology for quantitative analysis and nuclei screening. *BioEssays*, **34**, 509-517.
150. Vandenberg A. & [Almouzni G.](#) (2012) Molecular Biology : How to duplicate a DNA package. *Nature*, **483**, 412-413.
151. Ask K., Jasencakova Z., Menard P., Feng Y., [Almouzni G.](#) & Groth A. (2012) Codanin-1, mutated in the anaemic disease CDA1, regulates Asf1 function in S-phase histone supply. *EMBO J.*, **31**, 2013-2023.
152. Szenker E., Lacoste N. & [Almouzni G.](#) (2012) A developmental requirement for HIRA-dependant H3.3 deposition revealed at gastrulation in *Xenopus*. *Cell Rep.*, **1**, 730-740.

153. Soria G., Polo S. & Almouzni G. (2012) Prime, repair, restore : The active role of chromatin in the DNA damage response. *Mol. Cell*, **46**, 722-734.
154. Allans R.S., Zueva E., Cammas F., Schreiber H.A., Masson V., Belz G.T., Roche D., Maison C., Quivy J.P., Almouzni G. & Amigorena S. (2012) A silencing pathway controlling Th2 cell lineage commitment. *Nature*, **487**, 249-253.
155. Talbert P.B., Ahmad K., Almouzni G., Ausió J., Berger F., Bhalla P.L., Bonner W.M., Cande W.Z., Chadwick B.P., Chan S.W., Cross G.A., Cui L., Dimitrov S.I., Doenecke D., Eirin-López J.M., Gorovsky M.A., Hake S.B., Hamkalo B.A., Holec S., Jacobsen S.E., Kamieniarz K., Khochbin S., Ladurner A.G., Landsman D., Latham J.A., Loppin B., Malik H.S., Marzluff W.F., Pehrson J.R., Postberg J., Schneider R., Singh M.B., Smith M.M., Thompson E., Torres-Padilla M.E., Tremethick D.J., Turner B.M., Waterborg J.H., Wollmann H., Yelagandula R., Zhu B., & Henikoff S. (2012) A unified phylogeny-based nomenclature for histone variants. *Epigenetics & Chromatin*, Jun 21, 5-7.
156. Cornaccchia D., Dileep V., Quivy J.P., Foti R., Tili F., Santarella-Mellwig R., Anthony C., Almouzni G., Gilbert D. & Buonomo S.B.C. (2012) Mouse Rif1 is a key regulator of the replication-timing programme in mammalian cells. *EMBO J.*, **31**, 3678-3690.
157. Jullien J., Astrand C., Szenker E., Garret N., Almouzni G. & Gurdon J.B. (2012) HIRA dependent H3.3 deposition is required for transcriptional reprogramming following nuclear transfer to *Xenopus* oocytes. *Epigenetics & Chromatin*, **5**, 17; doi:10.1186/1756-8935-5-17 (Molecular and Cellular Science category Research Award).
158. Allan R.S., Zueva E., Cammas F., Schreiber H.A., Masson V., Belz G.T., Roche D., Maison C., Quivy J.P., Almouzni G. & Amigorena S. (2012) Contrôle épigénétique de la stabilité phénotypique et fonctionnelle des lymphocytes Th2 par la voie Suv39h1/HP1. *Médecine/Sciences*, **28**, 1032-1034.
159. MacAlpine D.M. & Almouzni G. (2013) Chromatin assembly. In "DNA Replication", Cold Spring Harb. Perspect. Biol. Doi:10.1101/cshperspect.a010207, CSHL Press, pp. 197-218.
160. Soria G. & Almouzni G. (2013) Differential contribution of HP1 proteins to DNA end resection and homology-directed repair. *Cell Cycle*, **12**, 422-429.
161. Almouzni G. & Alt F. (2013) Co-editors of special issue on "Genome architecture and expression". *Curr. Op. Genet. Dev.*, **23**, 79-228.
162. Alt F. & Almouzni G. & (2013) Genome architecture and expression. *Curr. Op. Genet. Dev.*, **23**, 79-80.
163. Pchelintsev N.A., McBryan T., Rai T.S., van Tuyn J., Ray-Gallet D., Almouzni G. & Adams P.D. (2013) Placing the HIRA histone chaperone complex in the chromatin landscape. *Cell Rep.*, **3**, 1012-1019.
164. Abascal F., Corpet A., Gurard-Levin Z-A., Juan D., Ochsenbein F., Rico D., Valencia A. & Almouzni G. (2013) Subfunctionalization via adaptive evolution influenced by genomic context: the case of histone chaperones ASF1a and ASF1b. *Mol. Biol. Evol.*, **30**, 1853-1866. (Selected for F1000Prime)
165. Filipescu D., Szenker E. & Almouzni G. (2013) Developmental roles of histone H3 variants and their chaperones. *Trends Genet.*, **29**, 630-640.
166. Peterson C.L. & Almouzni G. (2013) Nucleosome dynamics as modular systems that integrate DNA damage and repair. In "DNA Damage", Cold Spring Harb. Perspect., CSHL Press, doi: 10.1101/cshperspect.a012658.
167. Adam S., Polo S.E. & Almouzni G. (2013) Transcription recovery after DNA damage requires chromatin priming by the H3.3 histone chaperone HIRA. *Cell*, **155**, 94-106.
168. Zueva E., Quivy J.P., Almouzni G. & Amigorena S. (2013) Le destin contrarié d'un lymphocyte. *Dossier "L'hérédité sans gène". Pour la Science*, n° 81, octobre-décembre 2013.
169. Casanova M., Pasternak M., El Marjou F., Le Baccon P., Probst A.V. & Almouzni G. (2013) Heterochromatin reorganization during early mouse development requires a single-strand non-coding transcript. *Cell Rep.*, **4**, 1156-1167.
170. Szenker E., Boyarchuk E. & Almouzni G. (2013) Properties and functions of histone variants. In *Fundamentals of Chromatin*, J. Workman & Abmayr S. Eds., Springer Verlag, pp. 375-427.

171. Müller S. & Almouzni G. (2014) A network of players in H3 histone variant deposition and maintenance at centromeres. **BBA Gene Regulation Mechanisms** (in press).
172. O'Sullivan R.J., Arnoult N., Lackner D.H., Organesian L., Haggblom C., Corpet A., Almouzni G. & Karlseder J. (2014) Rapid induction of the alternative lengthening of telomeres by depletion of the histone chaperone ASF1". **Nature Struct. Mol. Biol.** (in press).
173. Lacoste N., Woolfe A., Tachiwana H., Garea A.V., Barth T., Cantaloube S., Kurumizaka H., Imhof A. & Almouzni G. (2014) Mislocalization of the centromeric histone variant CenH3/CENP-A in human cells depends on the chaperone DAXX. **Mol. Cell** (in press).

#### Patents

- "Chromatin assembly factor-1 (CAF-1), a marker of clinical value to distinguish quiescent from proliferating cells". Almouzni G., Polo S., Theocharis S. & Viehl P. (PCT publié le 15/09/05 n° WO2005085860 - Brevet en Europe délivré le 03/03/10 n° 1721165)
- "HP1 $\alpha$  as a prognostic marker in human cancer". Almouzni G. & De Koning L. (PCT déposé le 23/04/10 n° 2010055423)
- "Asf1b as a prognosis marker and therapeutic target in human cancer". Almouzni G. & Corpet A. (PCT déposé le 31/05/10 n° 10164424.3)
- "Methods and pharmaceutical compositions for the treatment of TH2 mediated diseases". Allan R., Schreiber H., Zueva E., Almouzni G. & Amigorena S. (EP 3/10/11, 11306272)