

# Alexis Gaudin DDS, PhD

MCU-PH Odontologie Conservatrice-Endodontie



QR code ORCID

## Etat civil

<b>Date de naissance</b>	21 septembre 1979
<b>Nationalité</b>	Française
<b>Status marital</b>	Marié, 3 enfants
<b>Téléphone</b>	+33 6 49 67 70 83
<b>Langues</b>	Français (langue maternelle), Anglais (écrit et conversation), Espagnol, Allemand (connaissances basiques)
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<b>Research ID</b>	S-1188-2018

## Titres

<b>2015</b>	Thèse d'université « Study of immune cells in the healthy human dental pulp. Highlighting of immunoregulatory cells »
<b>2011</b>	Diplôme en pédagogie médicale
<b>2010</b>	Diplôme en parodontologie et implantologie (Toulouse)
<b>2006</b>	Docteur en chirurgie dentaire (Toulouse)
<b>2005</b>	Ancien interne (Toulouse)

## Fonctions exercées

MCU-PH Odontologie Conservatrice-Endodontie - UFR Odontologie Nantes

## Expériences professionnelles

### Postes et fonctions

<b>2017-présent</b>	MCU-PH (temps plein), UFR Odontologie Nantes, France
<b>2016-2017</b>	Visiting Research Scientist, University of the Pacific, San Francisco, CA, USA
<b>2012-2016</b>	MCU-PH (temps partiel), UFR Odontologie Nantes, France
<b>2009- 2016</b>	Endodontiste, Sautron, France
<b>2006-2009</b>	Dentiste (omnipratique) Sautron, France

**2002-2005** Interne des hôpitaux de Toulouse, France

### Expériences diverses et membres de sociétés savantes

**2020** Member of the task force for French recommendation COVID-19: Implications for Dental Care  
**2019-now** Vice-president of the French Society of Endodontics  
**2017-now** Head of functional unit of Endodontics and restorative dentistry at Nantes university hospital  
**2017-now** Supervisor of 1 PhD student, 2 Master students and more than 30 degree in dentistry (DDS)  
**2017-now** Coordinator of teaching unit of master 1 oro-facial health  
**2015-now** Certified member European Society of Endodontology ESE  
**2015-now** Local treasurer of the college national des enseignants en Odontologie Conservatrice Endodontie  
**2015-now** Reviewer for *International Endodontic Journal*; *Journal of Dental Education*; *European Endodontic Journal*; *Acta Odontologica Scandinavica*  
**2013-now** International Association for Dental Research membership  
**2012-now** Teaching activity for undergraduate and postgraduate students (Nantes, Marseille)

### Grants

Year	Founder	Project name and title	Role	Financial amount
<b>2021</b>	ESE	EVENDO: Extracellular Vesicles derived from primed Dental Mesenchymal Stem Cells (pDMSC-EVs): Toward cell-free therapeutic applications to control pulp inflammation and facilitate dental pulp regeneration	PI	20 000€
<b>2019</b>	ANR	BILIPOX: A new biphasic microgel as lipoxin delivery system for tissue engineering	PI	285 000€
<b>2019</b>	NeXT University of Nantes	M4R: Design of a new international master degree and program for regenerative medicine	Co-PI	254 000€
<b>2018</b>	IFRO French dental research committee	LIPOXH: Design and in vitro assessment of a new biphasic microgels of silylated HPMC as lipoxin delivery system for periodontitis and pulpitis treatment	PI	20 000€
<b>2018</b>	University of Nantes	ORGANITE Design of an organoid culture model for tissue engineering	PI	3 900€

## Prix et récompenses

2021	“Bourse de recherche Michel Degrange”
2016	IADR, Pulp Biology Regeneration Group
2014	French society of Endodontics Award
2013	Paul Calas Award of the French Society of Endodontics
2011	French Universities Award in Endodontics
2005	French Universities Award in Periodontics

## Expertise :

- Contrôle de l’inflammation pulpaire et péri-apicale
- Système à libération de principes actifs
- Ingénierie tissulaire en endodontie
- Thérapeutiques de vitalité pulpaire
- Maladies systémiques et endodontie
- Chirurgie endodontique
- Les « jeux sérieux » en pédagogie médicale

## Publications (28 indexées pubmed)

### 5 most relevant publications

- 1** **Gaudin A**, Tolar M, and Peters OA. Lipoxin A4 Attenuates the Inflammatory Response in Stem Cells of the Apical Papilla via ALX/FPR2. *Sci. Rep.*, vol. 8, no. 1, pp. 1–12, 2018. <https://doi.org/10.1038/s41598-018-27194-7>
- 2** Renard E, **Gaudin A**, Bienvenu G, Amiaud J, Farges JC, Cuturi MC, Moreau A, Alliot-Licht B. Immune Cells and Molecular Networks in Experimentally Induced Pulpitis. *J Dent Res.* 2016 Feb;95(2):196-205. <https://www.ncbi.nlm.nih.gov/pubmed/26472753>
- 3** **Gaudin A**, Renard E, Hill. M, Bouchet-Delbos L, Bienvenu-Louvet G, Farges JC, Cuturi MC, Alliot-Licht B. Phenotypic analysis of immunocompetent cells in healthy human dental pulp. *Journal of endodontics* 2015, 41(5) :621-7. <https://www.ncbi.nlm.nih.gov/pubmed/25702858>.
- 4** J. C. Farges, B. Alliot-Licht, E. Renard, M. Ducret, **A. Gaudin**, A. J. Smith, and P. R. Cooper, “Dental Pulp Defence and Repair Mechanisms in Dental Caries,” *Mediators Inflamm.*, vol. 2015, p. 230251, 2015. <https://www.ncbi.nlm.nih.gov/pubmed/26538821>.
- 5** **Gaudin A**, Amador Del Valle G, Hamel A, Le Mabeque V, Miegeville AF, Potel G, Caillon J, Jacqueline C. A new experimental model of acute osteomyelitis due to methicillin-resistant *Staphylococcus aureus* in rabbit. *Lett Appl Microbiol* 2011 Mar; 52(3):253 <https://www.ncbi.nlm.nih.gov/pubmed/21204878>.

### Publications in 2021

- 2021** Tournier P, Guicheux J, Paré A, Maltezeanu A, Blondy T, Veziere J, Vignes C, André M, Lesoeur J, Barbeito A, bradonnet R, Blanquart C, Corre P, Geoffroy V, Weiss P, **Gaudin A**. A partially demineralized allogeneic bone graft: in vitro osteogenic potential and preclinical evaluation in two different intramembranous bone healing models. *Sci Rep.* 2021;11:1–13. <https://www.nature.com/articles/s41598-021-84039-6>
- 2021** Tournier P, Guicheux J, Paré A, Maltezeanu A, Blondy T, Veziere J, Vignes C, André M, Lesoeur J, Barbeito A, bradonnet R, Blanquart C, Corre P, Geoffroy V, Weiss P, **Gaudin A**. An Extrudable Partially Demineralized Allogeneic Bone Paste Exhibits a Similar Bone Healing Capacity as the “Gold Standard” Bone Graft. *Front Bioeng Biotechnol.* 2021;9 April:1–10. <https://www.frontiersin.org/articles/10.3389/fbioe.2021.658853/full>
- 2021** Galicia JC., Mungia R, Taverna MV, Mendoza Marissa J, Estrela C, **Gaudin A**, Zhang C, Vaughn BA, Khan AA. Response by Endodontists to the SARS-CoV-2 (COVID-19) Pandemic: An International Survey. *Frontiers in Dental Medicine* 2021; 1(January). <https://www.frontiersin.org/articles/10.3389/fdmed.2020.617440/full>
- 2021** Aubeux D, Peters OA, Hosseinpour S, Tessier S, Geoffroy V, Pérez F, **Gaudin A**. Specialized pro-resolving lipid mediators in endodontics: a narrative review. *BMC Oral Health.* 2021;21:276. <https://bmcoralhealth.biomedcentral.com/articles/10.1186/s12903-021-01619-8>

**2021** Aubeux D, Renard E, Pérez F, Tessier S, Geoffroy V, **Gaudin A**. Review of Animal Models to Study Pulp Inflammation. Front Dent Med. 2021;2 May:21.  
<https://www.frontiersin.org/articles/10.3389/fdmed.2021.673552/full>

12 (1er ou second auteur) publications nationales en français

## Communications

14 communications internationales (1er ou second auteur)

90 communications nationales (1er ou second auteur)