

October 13-17, 2025

Enamel 11



DAY 1 Monday 13th October		
3 : 00 - 6 :00 pm	Attendees' venue opened from 3:00 pm	La Rotonde
6:00 - 7:00 pm	Inaugural conference on environmental changes and their impact on health	Speakers: Robert Barouki, Sylvie Babajko Sylvie Tambutté
7:10 -8 :40 pm	<i>Dinner reception</i> (restaurant <i>la Rotonde</i>)	<i>Restaurant La Rotonde</i>
8:40-9:40 pm	<u>Evening session 1: ENAMEL DEFECTS AS ENVIRONMENTAL MARKERS</u> Jake Jia-Tui Ngu & Nicolas Obtel	<i>La Rotonde</i>
N°42	<i>Short-Term Climatic Change Impacts in Human Tooth Enamel as Revealed by Histological and Isotopic Analyses : Carsten Witzel, Arkadiusz Sołtysiak</i>	<i>Posters at Rotonde: 42-7-14-20-50-92</i>
N°7 flash	<i>Co-exposure to Bisphenol A (BPA), Fluoride and Lead Generating Hypomineralization Lesions in the Dental Enamel of Rats. Jonas Tostes-Figueiredo, N Macedo-Ribeiro, FB De Sousa, IM Porto, SRP Line, Raquel Gerlach</i>	
N°14	<i>Co-exposure to Pb and F induce changes in bone and soft tissue essential elements and induce dental enamel hypomineralization, linking metalomic signatures to metabolomics and dysfunctional mitochondria. Raquel Gerlach, J Tostes-Figueiredo, N Macedo-Ribeiro, IM Porto, EB Gomes, A Martins Dantas, FA Bockmann, Maraschin-Vieira</i>	
N°20	<i>Caspase-3 And Kallicrein-4 Histochemical Analysis And Apoptosis In Ameloblasts Of Fluorotic Rat Exposed to Amoxicillin: Julia V. A. dos Santos, Betânia M Silva, Enzo B Giacomini, Gabrielle S. da Fonseca, Isabel M. Porto</i>	
N°50	<i>Long-Term Exposure To Low-Dose Environmental Toxicants May Cause Irreversible Enamel Defects: Diluxe Mutale, Noor Mimoun, Sophia Loiodice, Yasmine Djelloul, Sylvie Babajko, Katia Jedeon</i>	
N°92 flash	<i>Impact of Second Hand-Smoke on the Biomineralization of Dental Enamel in Rats. Juliana L Goncalves, Fabrício K de Carvalho, Alexandra M de Queiroz, Bernhard Ganss, Francisco WG Paula-Silva</i>	
9:45 – 11:00 pm	Poster visit and discussion	

Day 2
Tuesday 14th October

7:00-8:45 am	Breakfast served in the restaurant	Restaurant La Rotonde
9:00-10:00 am	<u>Session 1:</u> BASIC KNOWLEDGE ON ENAMEL STRUCTURE AND MINERALIZATION Elia Beniash & Anne George	Building A3- Accueil seminaires
N°25 Grouped with Flash 37	<i>Improving Our Three-Dimensional Understanding of Decussation via Automated Segmentation & Synchrotron Computed Tomography. Jack R. Grimm</i> , Cameron Renteria, Carli Marsico, Juliana Fernandez-Arteaga, Katherine Tang, Viktor Nikitin, Donna P. Guillen, Dwayne D. Arola <i>A Nanoscale Perspective of Organic and Mineral Composition in Human Primary and Permanent Enamel. Jack R. Grimm</i> , Katherine Tang, Cameron Renteria, Sandra D. Taylor, Bojana Ginovska, Arun Devaraj, Dwayne D. Arola	Conference Posters at Building A3: 25-37-27-73-79-93
N° 27	<i>Imaging of Mineral Grains in Rat Enamel by Light and Laser Polarization Microscopy. Santiago Gomez</i>	
N° 73	<i>Enamelin- and Amelogenin-Derived Peptides as Ion Carrier for In Vitro Mineralization Guided by Amelogenin Nanoribbons. Stefan Habelitz</i> , Kevin Lu, Johan Svensson Bonde, Emerson de Sousa	
N° 79	<i>Short-Circuit Diffusion Controls Transport Processes in Human Dental Enamel. Xingchen Zhao</i> , Julia Dreher-Threlkeld, Jacob Cox, Derk Joester	
N°93 Flash	<i>Structure of human tooth enamel tuft studied by microtomography and Raman microscopy Desoutter Alban</i> , Cuisinier Frédéric	
10:00-10:25	coffee break	
10:30-12:15	<u>Session 2:</u> GENERAL CONCEPTS IN BIOLOGY OF AMELOGENESIS Mary McDougall & Amnon Sharir	Building A3- Accueil seminaires
N°12	<i>Modeling Ca²⁺ Dynamics in Enamel Cells. Guilherme H. Souza Bomfim</i> , Geneviève Dupont, Rodrigo S. Lacruz	Posters at Building A3: 12-74-26-80-32-38-24 Posters at Rotonde: 53- 86-90 <u>Additional poster :</u> 90- The Role Of MiR-exon4 In Enamel Formation In Vivo. Rozana Shemirani , Trang Duong, Yukiko Nakano
N°74	<i>Calcium Uptake in Polarized HAT-7 Cells : Kristóf Kádár</i> , Polett Sz. Ribiczey, Róbert Rácz, Anna Földes, Martin C. Steward, Pamela DenBesten, Gábor Varga, Ákos Zsembery	
N°26	<i>Functional Analysis and Clinical Application of Enamel Proteins by Maturation Stage Ameloblasts and Junctional Epithelium. Hidemitsu Harada</i> , Shojiro Ikezaki, Mamoru Noda, Keishi Otsu	
N°80	<i>The roles of SATB1 in ameloblast developmental-stage-specific gene expression and chromatin architecture. Cierra R. Ahlstrand</i> , Jake Ngu, Terumi Kohwi-Shigematsu, Yan Zhang	
N°32	<i>Laminin 3A32 Is Critical For Secretory Stage Enamel Formation. Tian Liang</i> , Yuanyuan Hu, Hong Zhang, Chuhua Zhang, Takako Sasaki, Petros Papagerakis, Charles E. Smith, Jan C-C. Hu, James P. Simmer	
N° 38 Flash	<i>Genetic Defects In Laminin 3A32 Impairs Enamel Maturation In Mice. Yuanyuan Hu</i> , Mansi Solanki, Hong Zhang, Takako Sasaki, Michael L. Paine, Charles E. Smith, Jan C.-C. Hu, James P. Simmer, Tian Liang	
N°53	<i>Expression Profiles of Primary and Immortalized AIGFS EOE Cells Carrying Identified Compound Heterozygous FAM20A Mutation. Mary MacDougall</i> , Olga A Mamaeva	
N°86	<i>Biological and Mechanical Regulation of Dental Epithelial Stem Cells in the Mouse Incisor. Jihan Asmar</i> , Idan Bar On, Yehuda Klein, Elias Shahin, Sanako Takano, Jimmy K. Hu, Stella Chaushu, Amnon Sharir	
N° 24	<i>Vesicle-Mediated miRNA Export Is Required for Ameloblast Modulation. Trang H. Duong</i> , Kaitlin Katsura, Yukiko Nakano, Pamela DenBesten	
12:30 – 14:00 pm	Lunch/ Poster viewing	Restaurant La Rotonde

2:15 - 4:00 pm	Session 3: ENAMEL MATRIX PROTEINS AND MINERALIZATION Stefan Habelitz & Sophia Houari	Building A3- Accueil seminaires
N°23	<i>Lack of Amelogenin Phosphorylation Leads to Major Transcriptomic Changes in the Enamel Organs of Mouse Incisors:</i> Brent Vasquez, Ai Thu Bui, Henry C. Margolis, Elia Beniash	Posters at Building A3: 23-29-70-85-31-19-30-77-67-94 Additional poster: 94-Expanding the Clinical and Molecular Spectrum of Isolated Amelogenesis Imperfecta: Novel Insights from Two Brazilian Families. Kêmelly K.M. Resende, Lilian M Paula, Paulo M. Yamaguti, Juliana F. Mazzeu, Ana Carolina Acevedo
N°29	<i>Potential Role of Amelogenin Phosphorylation in Murine Enamel Maturation.</i> Lasya Bhogadi, Henry C. Margolis , Elia Beniash	
N°70	<i>The Role of Phosphorylation at Serine-16 in Amelogenin Self-Assembly and Mineralization: Mechanistic Insights into Enamel Biomineralization.</i> Emerson T de Sousa , Kevin Lu, Johan Svensson Bonde, Stefan Habelitz	
N°85	<i>Understanding the role of Amelogenin self-assembly domain in tooth enamel formation.</i> David Sung, Pauline Marangoni , Victoria Cooley, Ethan Suwandi, Tomas Wald, Marcos Gonzalez Lopez, Hadis Najibi, Petr Kasperek, Evelyn J. Sandoval, Jan Krivanek, Jeffrey O. Bush, Derk Joester, Ophir D. Klein	
N°31	<i>Structural properties of Amelogenin in solution: Insights from computational and experimental studies.</i> Hoshin Kim, Sebastian T. Mergelsberg , Garry W. Buchko, Bojana Ginovska	
N°19	<i>AMBN Proteinopathy in Autosomal Dominant Hypoplastic Amelogenesis Imperfecta and the Ameloblastin-Enamelin Interaction.</i> Shih-Kai Wang , Hua-Chieh Lin, Yin-Lin Wang, Jung-Tsu Chen	
N° 30	<i>Perturbations of Ameloblastin Amphipathic Helix Motif impact Ameloblast Polarization and Prismatic Enamel Formation.</i> Gayathri Visakan , Jing Cai, Rucha Bapat, Edwin Sarkisians, Marziyeh Aghazadeh, Janet Moradian-Oldak	
N°77	<i>Demarcated, Hypomineralized Enamel Analyzed By Microcomputed Tomography.</i> Yong-Hee P Chun , Hae-Ram Han, Devyn Dullnig, Omar Villanueva, Chunyan Tan, Jadee Foster, Roberto J Fajardo.	
N° 67 Flash	<i>Relationship Between Dentigerous Cyst Size and Enamel Hypoplasia in Mandibular Premolars: A Preliminary Study.</i> Ali Mentès , Elif Kabacioglu, Senem Aşkin, Dilanur Demiroglu-Akay, Meltem Ekinçi, Faysal Ugurlu	
4:00-4:25 pm	coffee break and poster visit	
4:30-6:00 pm	Session 4: REVIEWS ON HEREDITARY RARE DISEASES / AMELOGENESIS IMPERFECTA Janet Moradian-Oldak & Derk Joester	Building A3
N°10	<i>Genetic Insights into Syndromic vs. Non-Syndromic Amelogenesis Imperfecta: Animal Models and Clinical Data.</i> Agnes Bloch-Zupan , Marzena Kawczynski, Alexandra Jimenez-Armijo, Magali Hernandez, Gopal K Dila, Tania Sorg, Mohammed Selloum, Yann Hérault	Posters at La Rotonde: 10-59-33-40-83-94-65
N°59	<i>Human Hereditary Enamel Defects; A Molecular Based Classification.</i> J Timothy Wright, Alan Mighell , Jan Hu, Agnes Bloch-Zupan, James Simmer, Piranit Nik Kantaputra, Malcolm Snead, Rodrigo S. Lacruz	
N°33	<i>Hereditary Enamel Defects and System Comorbidities.</i> Jan Hu , J Timothy Wright, Alan Mighell, Agnes Bloch-Zupan, Piranit Nik Kantaputra, Shih-Kai Wang, Jung-Wook Kim, James Simmer	
N°40	<i>UK National Health Service Genetic Testing For Amelogenesis Imperfecta .</i> Alice L Rigby , Claire E L Smith, Clarissa Dale, Katherine O'Donnell, Richard Balmer, Christopher M Watson, Chris F Inglehearn, Alan J Mighell	
N° 83 Flash	<i>Recurrent Homozygous FAM20A Variants Identified in Four Unrelated South African Patients with Enamel Renal Syndrome.</i> Imaan A. Roomaney , Salma Kabbashi, Leila Ebrahim, Manogari Chetty	
N°94 Flash	<i>Expanding the Clinical and Molecular Spectrum of Isolated Amelogenesis Imperfecta: Novel Insights from Two Brazilian Families.</i> Kêmelly K.M. Resende , Lilian M Paula, Paulo M. Yamaguti, Juliana F. Mazzeu, Ana Carolina Acevedo	
N°65	<i>D3G's Transformed DDE Index: Polynesian Amelogenesis Imperfecta As A Phenotypic Test Case.</i> Michael J. Hubbard , Michelle R Martin	

6:40 pm	Conference on wine history and taste	Restaurant La Rotonde
7:00-8:30 pm	Cheese and wine party	
8:30-9:40 pm	Evening session 2: STRUCTURE OF ENAMEL DEFECTS AI / DDES Agnès Bloch-Zupan	La Rotonde
N°17	<i>Molecular Genetics And Ultrastructure Of Natal Teeth.</i> Nik Kantaputra , Nutaporn Sengtae, Massupa Kaewgahya, Sissades Tongshima, Chumpol Ngamphiw	Posters at La Rotonde: 17-55-84-78-47-49
N°55	<i>Enamel Nanostructure And Oral Clinical Presentation Of The Enamel-Renal Syndrome.</i> Sarah Bailloux, Nunthawan Nowwarote, Sabaa Sahi, Thomas Reiss, Louis Cornet, Maxime Vallet, Samia Kribel, François Ferré, Valérie Cormier-Daire, Margot Riou, Ariane Berdal , Elsa Vennat, Muriel de la Dure-Molla	
N° 84	<i>Micro-CT and Nano-CT Imaging in Enamel Renal Syndrome: A Structural and Morphometric Analysis of Teeth.</i> Salma Kabbashi , Imaan A. Roomaney, Manogari Chetty	
N° 78	<i>A Comparative Study between MMP20 and KLK4 Mutations on Enamel Texture.</i> Asmaa A. Harfoush , Robert P. Davies, Neil H. Thomson, Maisoon Al-Jawad	
N° 47	<i>Are Lesions Categorized as Molar-Incisor-Hypoplasia on Newly Erupted Third Molars of Developmental or Carious Origin?.</i> Shane N White, Hans Deyhle, Mattia Humbel , Georg Schulz, Sharif Ahmed, Bert Müllerb	
N° 49	<i>Raman Spectroscopy Reveals Compositional Alterations in Opacities and Adjacent Translucent Enamel in Molar Incisor Hypomineralization.</i> Flaureta Rexhaj , Furqan A. Shah, Ted Lundgren	
9:40 – 11:00 pm	Poster visit and discussion	

Day 3 Wednesday 15th October		
7:00 - 8:30 am	Breakfast served in the restaurant	restaurant La Rotonde
8:45 - 10:00 am	Session 5: EXPERIMENTAL MODELS of AMELOGENESIS IMPERFECTA Catherine Chaussain & Hidemitsu Harada	Building A3- Accueil seminaires
N° 75	<i>Claudin-19 Deficiency Disrupts Dentoalveolar Development: Insights From Knock-Out Mice.</i> Marie Sevin , Elis Lira Dos Santos, Lofti Slimani, Caroline Prot-Bertoye, Pascal Houillier, Catherine Chaussain, Céline Gaucher, Claire Bardet.	Posters at Building A3: 75-39-46-41-66-68
N° 39 flash	<i>FAM83H-Associated Amelogenesis Imperfecta with Pre-eruptive Crown Resorption and Tooth Impaction: Report of Two Brazilian Families.</i> Paulo M. Yamaguti , Kêmelly K.M. Resende, Luanna S. Amorim, Juliana F. Mazzeu, Ana Carolina Acevedo.	
N° 46 flash	<i>A Novel Homozygous ACP4 c.254T>C Variant Identified In Amelogenesis Imperfecta By Whole-Exome Sequencing Reanalysis.</i> Lu Liu , Ummey Hany, Alice Rigby, Christopher M. Watson, Claire E.L. Smith, Chris F. Inglehearn, Alan J. Mighell	
N° 41 flash	<i>Embryonic Loss of Memo1 Results in Early Enamel Defects.</i> Samantha D Wuebker , Michaela Kiel, Kei Katsura, Yuchen Jian, Eric Van Otterloo	
N° 66 flash	<i>Rogdi Knockout Mouse Reveals a Role in V-ATPase–Mediated Acidification in Kohlschütter–Tönz Syndrome.</i> Alexandra Jimenez-Armijo , Supawich Morkmued, José Tomás Ahumada, Naji Kharouf, Yvan de Feraudy, Gergo Gogl,	

	Fabrice Riet, Karen Niederreither, Jocelyn Laporte, Marie Christine Birling, Mohammed Selloum, Yann Herault, Magali Hernandez, Agnès Bloch-Zupan	
N° 68 flash	<i>Enamel And Ectopic Mineralization In Fam20a Knock-out Mouse Incisor.</i> Sabaa Sahi , Sarah Bailloux, Luc Laurencena, Valérie Cormier-Daire, Ariane Berdal, Mary MacDougall, Nunthawan Nowwarote	
10:00 - 10:25 am	coffee break and poster visit	restaurant La Rotonde
10:30 - 12:00 pm	SESSION 6: ENVIRONMENTAL PATHOLOGIES OF ENAMEL : ACQUIRED DEVELOPMENTAL PATHOLOGIES Sylvie Babajko & Mike Hubbard	restaurant La Rotonde
N° 28	<i>Pathogenesis of Molar Hypomineralisation: Testing the Mineralisation-poisoning Model.</i> Vidal A. Perez , Michael J. Hubbard	Posters at La Rotonde: 28-82-51-57-54-91-1-5-6
N° 82	<i>Sex related differences in dental fluorosis in mice are associated with increased serum propionic acid.</i> Pamela K. Den Besten , Jake J. Ngu, Kairong Lin, Kevin Lin, Yukiko Nakano, Yan Zhang.	
N° 51	<i>Tracing MIH Through Time: A Global Perspective on Pediatric Prevalence and Evidence from Antiquity.</i> Mazur Marta , Jedeon Katia, Ndokaj Artnora, Trocchi Martina, Galbusera Alessia, Babajko Sylvie, Sperduti Alessandra, Bossù Maurizio, Ottolenghi Livia, Bondioli Luca, Nava Alessia	
N° 57	<i>Detecting the Phenotypic Effect of Rickets in Human Molars.</i> S Susanna Sova , Mebin George Varghese, Teemu J Häkkinen, Leo Tjäderhane, Jukka Jernvall	
N° 54	<i>Early And Chronic Stress Impact On Mouse Tooth Development.</i> Hanan Saad , Ashley Lebel, Sébastien Parnaudeau, François Tronche, Baptiste Casel, Lotfi Slimani, Catherine Chaussain, Sylvie Babajko, Sophia Houari	
N°91 Flash	<i>Evaluation of the Impact of Postnatal Maternal Separation Stress on Offspring Enamel Formation.</i> Júlia I. T. Sousa ¹ , Juliana L. Gonçalves, Guido A. Marañon-Vásquez ¹ , Roberta D. Leme ¹ , Larissa S. Sales, Fabrício K. Carvalho, Alexandra M. Queiroz, Francisco W. G. Paula-Silva	
N° 1 flash	<i>Correlation Between Molar-Incisor Hypomineralization (MIH), Stress and Family Functioning.</i> Mesaf S Brejawi , Annapurny A/P Venkiteswaran, Suleiman M O Ergieg, Budi Md Sabri.	
N° 5 flash	<i>Analysis of Visits for Oral Hygiene, Comfort, and Maintenance in 11-Year-Old Patients with Severe MIH</i> Adnan Hajdarević , Emina Čirgić, Birgitta Jälevik, Agneta Robertson, Nina Sabe.	
N° 6 flash	<i>The Effect of Prematurity on Dental Enamel and Neonatal Line (NNL) Thickness in Deciduous Teeth.</i> Macedo-Ribeiro Natalia , Tostes-Figueiredo J, De Sousa FB, Gerlach RF.	
12:15 - 1:50 pm	Lunch / Poster visit	restaurant La Rotonde
2:00 - 6:00 pm	Social events VERSAILLES / BIKE	
7:00 pm	Dinner	restaurant La Rotonde
8 :30 - 9:00 pm	Lecture on History of Enamel research	Invited speaker Alain Boyde
9:00 - 10:00 pm	Evening session 3 : UNCOMMON ENAMEL: WHAT CAN WE LEARN FROM PAST POPULATIONS AND WILD ANIMALS ? Adeline Le Cabec & Jukka Jernvall	restaurant La Rotonde

N° 76 flash	<i>Dental enamel in different environment : a comparative study of two Cameroonian populations. Elsa Sonkeng Tiwa, Charles Muhima Pilipili, Fernando Ramírez Rozzi</i>	<i>Posters at la Rotonde: 76-35-34-21-58</i>
N° 35	<i>Histologically-informed Past Mobility Reconstructions at High Time-resolution from Laser Mass Spectrometry-based Strontium Isotope Analysis. Bondioli Luca, Lugli Federico, Mahoney Patrick, Anczkiewicz Robert, Müller Wolfgang, Nava Alessia</i>	
N° 34	<i>Histology-driven Time-resolved Trace Elemental Biogeochemistry of Dental Enamel to Unravel the Maternal-Infant Nexus in Past Populations. Nava Alessia, Lugli Federico, Mahoney Patrick, Anczkiewicz Robert, Müller Wolfgang, Bondioli Luca</i>	
N° 21	<i>Vertical decussation in rhinoceros enamel: maturation, X-ray MicroTomography, Polarised Light Microscopy and Optical Coherence Tomography. David Mills, Mikael Fortelius, Alan Boyde</i>	
N° 58 flash	<i>Shaping Dental Complexity: The Role of Enamel in Bear Tooth Morphology. Mebin G. Varghese, Susanna Sova, Aida K. Hoshlar, Jukka Jernvall</i>	
10:00 – 11:00 pm	Poster visit and discussion	<i>la Rotonde</i>

Day 4
Thursday 16th October

7:00-8:45 am	Breakfast served in the restaurant <i>la Rotonde</i>	<i>restaurant La Rotonde</i>
9:00-10:15 am	<u>Session 7:</u> SESSION ORGANIZED BY JUNIOR SCIENTIST AND POST-DOCS : selected papers Florian Hermans & Ai Thu Bui	Building A3- Accueil seminaires
N° 13	<i>Functional Studies on Na⁺/Ca²⁺ Exchanger Activity in Ameloblasts Guilherme H. Souza Bomfim, Erna Mitaishvili, Paul Schnetkamp, Rodrigo S. Lacruz.</i>	<i>Talks and Posters at Building A3: 13-45-62-64-52</i>
N° 45	<i>Enamel Phenotype of Mouse Models of Familial Hypocalciuric Hypercalcemia Types 2 And 3. Anne-Laure Lakhel, Nicolas Obtel, Caroline Andrique, Florian Hermans, The Nghia Nguyen, Coralie Torrens, Jérôme Ligier, Baptiste Casel, Asmaa Foda, Lotfi Slimani, Fadil M. Hannan, Rajesh V. Thakker, Jean-Philippe Bertocchio, Catherine Chaussain</i>	
N° 62	<i>Defective Enamel Maturation In A CFTR Conditional Knockout Mouse Model. Jake J. Ngu, Charles Met, Atoosa Heidari Bigvand, Yan Zhang, Pamela K. Den Besten</i>	
N° 64	<i>Disruption of pH regulation machinery in the absence of amelogenin phosphorylation in AmelxS16A mouse model. Ai Thu Bui, Lasya Bhogadi, Henry Margolis, Elia Beniash</i>	
N° 52	<i>In Vitro And In Vivo Enamel Remineralization Using A Novel Varnish Containing Calcium Silicate. Alexis Murat, Sophia Houari, Anne-Lyse Denizot, Jérôme Ligier, Katia Jedeon, Charlotte Duval, Sylvie Babajko</i>	
10:15-10:40	coffee break	
10:40-12:00	<u>Session 8:</u> part 1: INNOVATIVE MATERIALS AND TREATMENTS Bernhard Ganss & Katia Jedeon	<i>restaurant La Rotonde</i>

N° 48	<i>Biology Inspired Bifunctional Peptides for Caries Intervention.</i> Malcolm L. Snead , Erhan Demirel, Candan Tamerler	<i>Posters at La Rotonde: 48-63-69-61-72-87</i>
N° 63	<i>Effect of Poly-γ-Glutamic acid on Reducing Enamel Demineralization as a Function of Depth in vitro.</i> Zeeshan Qamar, Zubaidah BHA Rahim, Robert Hill, Hooi-Pin Chew, Paul Anderson	
N° 69	<i>Tooth Be Told: Enamel-ing Adventures in Dental Health.</i> Palwinder Kaur , Helen Chappell, Maisoon Al-Jawad, Mohammed Al-Mosawi, Ursula McDonnell, Christabel Fowler	
N° 61	<i>Comparative multiscale examination of enamel defects in dental fluorosis and MIH.</i> Sophia Houari , Tran Thu Thuy, Thibaud Coradin, Vesna Srot, Thierry Sauvage, E enne Balan, Marco Calemme, Nicolas Roubier, Ariane Berdal, Derk Joester, Sylvie Babajko	
N° 72	<i>In Vivo Remineralization of Hypomineralized Enamel by Silver Diamine Fluoride with Concurrent Biofilm Suppression.</i> Hakan Karaaslan , Ozge Erdogan, Xuesong He, Felicitas B. Bidlack	
N° 87 Flash	<i>Ano1 antisense therapy improves molar properties but not amelogenesis in a murine model of cystic fibrosis</i> Dinne Nedjar* , Arnaud Vanden Bossche*, Christie Mitri, Nghia Nguyen Th��, Florian Hermans, Nicolas Roubier, Elsa Vennat, David Montero, Lotfi Slimani, Hubert Marotte, Catherine Chaussain, Olivier Tabary, Fran��oise Tilotta	
12:15 - 1:45 pm	Lunch / Poster viewing session	
1:50 - 2:10 pm	GROUP PHOTO	<i>La Rotonde</i>
2:30 - 3:30 pm	Session 8 part 2: CARIES AND INNOVATIVE TREATMENTS Henry Margolis & Claire Bardet	<i>Building A3- Accueil seminaires</i>
N° 16	<i>In-Situ X-ray Diffraction and Tomography for Quantitative Analysis of Enamel Remineralisation Dynamics Using Self-Assembling Peptides.</i> Reham R. Gonnah , Mohammed Al-Mosawi, Julia E. Parker, Robert P. W. Davies, Maisoon Al-Jawad	<i>Talks and posters at Building A3: 16-44-4-8-9-18</i>
N° 44	<i>Creating Subsurface Lesions in Bovine Enamel as a Model System for Incipient Caries.</i> Farkhunda Rahimy, Pascal Fandrich, James Holcroft, Bernhard Ganss	
N° 4 Flash	<i>Aesthetic Assessment of Hypomineralised Enamel - A Web-Based Survey.</i> Laura St��hl , Nina Sabel, Julia Naoumova	
N° 8 Flash	<i>White Spot Lesions Treated With Resin Infiltration – Objective And Subjective Views Of Oral Aesthetics.</i> Nina Sabel , Laura St��hl, Julia Naoumova	
N° 9 Flash	<i>Aesthetic Treatment With Resin Infiltration In Teeth With Mild Fluorosis – A Long Term Follow-up.</i> Emily Veen , Laura St��hl, Julia Naoumova, Nina Sabel	
N° 18 Flash	<i>Backscattered Electron Imaging of Deciduous Teeth Treated with Silver Diammine Fluoride.</i> Saroash Shahid , Mandeep Kaur, Alan Boyde	
3:30 - 3:50 pm	coffee break and poster viewing	
4:00 - 5:30 pm	Session 9: DISCUSSION ON WATER FLUORIDATION : RISKS AND BENEFITS. WEBINAR <i>chaired by Pamela den Besten and Sylvie Babajko</i> Thousands of studies show beneficial effects of sodium fluoride on enamel mineralization and caries prevention. Dozens experimental and epidemiological studies show its neurotoxicity. The aim of the session is to extend the scientific and medical issues of NaF to health and (neuro)development beyond its beneficial effect on enamel. <i>See the website for further information on speakers and their talks</i> Discussion with the audience	Invited speakers Bruce Dye University of Colorado School of Dental Medicine, USA Marilia AR Buzalaf University of S��o Paulo, Brazil Bruce Lanphear Simon Fraser University, Vancouver, Canada Jean-Baptiste Fini Museum (MNHN) Paris, France

6:00 - 7:00 pm	Dental Tissues: Archives of Human Evolution, Diversity and Health	Invited speakers Adeline Le Cabec CNRS Bordeaux, Fernando Ramirez , Museum (MNHN) Paris <i>Building A3</i>
8 :00 - 8:30 pm 8 :30 – 11 :00 To 2:00 am	Young Investigator awards ceremony GALA DINNER (restaurant <i>la Rotonde</i>) Dance party	<i>Sponsored by Colgate, Haleon, Filières Tête-cou & Oscar</i> <i>restaurant La Rotonde</i>
Day 5 Friday 17th October		
7:00 – 9 :15 am	Breakfast served in the restaurant (la Rotonde)	<i>restaurant La Rotonde</i>
9:30 - 10:15 am	<u>Session 10: NEW TOOLS, TECHNIQUES AND MODELS APPLIED TO ENAMEL</u> Derk Joester & Tran Thu Thuy	Building A3- <i>Accueil seminaires</i>
N° 11	<i>Genetic Screening Of A Non-Syndromic Amelogenesis Imperfecta Patient Cohort Using A Custom smMIPs Reagent.</i> Ummey Hany, Christopher M. Watson, Lu Liu, Georgios Nikolopoulos, James A. Poulter, Agne Antanaviciute, Alice Rigby, Richard Balmer, Catriona J. Brown, Anesha Patel, María Gabriela Acosta de Camargo, Helen D Rodd, Michelle Moffat, Gina Murillo, Amal Mudawi, Hussain Jafri, Alan J. Mighell, Chris F. Inglehearn, Claire E.L. Smith	<i>Talks and posters at Building A3: 11-22-24-15-36</i>
N° 22	<i>3D Organoid Modeling Of Human Dental Epithelium: From Amelogenesis To Cell Rests Of Malassez.</i> Florian Hermans , Steffie Hasevoets, Mai Hoang Ngoc Phuong, Hugo Vankelecom, Annelies Bronckaers, Ivo Lambrichts	
N° 15	<i>Evolution of enamel nanocrystal misorientation before and after diet changes.</i> Pupa U.P.A. Gilbert , Mackie C. O'Hara	
N° 36	<i>Dissecting Ameloblastin Amphipathic Helix Reveals Specific Functions in Enamel Formation.</i> Rucha A. Bapat , Gayathri Visakan, Jing Cai, Marziyeh Aghazadeh, Natalie C. Kegulian, Janet Moradian-Oldak	
10:15 - 10:40	coffee break and poster visit	
10:45 - 11:15 am	<u>SESSION 11: LATEST ADVANCES IN ENAMEL RESEARCH</u> Pupa Gilbert & Guilherme H. Souza Bomfim	Building A3- <i>Accueil seminaires</i>
N° 71	<i>Identification Of Amelogenesis Imperfecta In Patients With Hypercalcemia Due To GNA11 Loss-of function Mutations.</i> Nicolas Obtel , Adeline Le Cabec, Caroline Andrique, Florian Hermans, Amina Attia, Albain Chansavang, Fernando Ramirez Rozzi, Coralie Torrens, Thibaud Coradin, The Nghia Nguyen, Fadil M. Hannan, Raj V. Thakker, Jean Philippe Bertocchio, Catherine Chaussain	<i>Talks and posters at Building A3: 71-81</i>
N° 81	<i>High-Throughput Analysis of μCT Reconstructions of Murine Incisors and Molars.</i> Ethan Suwandi , Victoria Cooley, Sarah Boyer, Stuart R. Stock, Adya Verma, Hadis Najibi, David Sung, Tomas Wald, Pauline Marangoni, Jeffrey O. Bush, Ophir Klein, Derk Joester	
11:15 – 11:45 am	Conclusions and future direction - Future challenges and tools for enamel investigations - Proposals for Enamel 12 Organization	<i>Building A3</i>
12 :00-1 :45	Lunch	<i>restaurant La Rotonde</i>

2:00 – 4 :30 pm	D3 Satellite – Université Paris Cité Mike Hubbard and Katia Jedeon Minisymposium on 'Molar hypomin' other D3s – enamel science perspectives	Conference room at Domaine Saint-Paul, Saint Rémy lès Chevreuse Building A3- <i>Accueil seminaires</i>



HALÉON

