

Dr. LICHT Alexis – Research Scientist (Chargé de Recherche) CNRS

Sedimentary geologist & geochemist, paleoclimatologist

Centre de Recherche et d'Enseignement de Géosciences de l'Environnement (CEREGE), Aix-en-Provence, France

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Born: June 18th, 1985, in Paris, France. 38 years old.

RESEARCH INTERESTS

I use sedimentary archives to study the links between Climate, Tectonics, and Life through geologic time. My work involves geological fieldwork and sampling, geochemical and geochronological analyses. I date sedimentary deposits and decipher their sedimentological and geochemical features to reconstruct past climates, paleogeographies, and ecosystems. I closely collaborate with structural geologists, paleontologists, paleobotanists, and other sedimentary geologists to address biogeographical and geological questions in the deep-time (million of years).

SKILLS

Fluvial Sedimentology
Pedology
Sed. Geology
Sedimentary Petrology
Clay Mineralogy
Sed. Geochemistry
Geochronology (U-Pb, Sr and Nd isotopes) through TI-, ICP- and LA-ICP- Mass Spectrometry
Stable and clumped isotopes geochemistry
Paleobotany
Paleoecology (fossil wood identification)

EDUCATION AND EMPLOYMENT

December 2021	Habilitation à Diriger des recherches, Université Aix-Marseille (CEREGE, Aix-en-Provence, France)
October 2020– onwards	CNRS Research Scientist, Centre de Recherche et d'Enseignement de Géosciences de l'Environnement (CEREGE, Aix-en-Provence, France) CNRS section 18 (Terre et planètes telluriques : structure, histoire, modèles. Institut national des sciences de l'univers).
September 2016 – September 2020	Assistant Professor, Department of Earth and Space Sciences (ESS), University of Washington (UW) (Seattle, USA) Head of the ESS heavy minerals separation lab, co-supervisor of a LA-ICP-MS platform for U-Pb dating, teaching sedimentary geology and paleobiology classes.
September 2015 - August 2016	Marie Curie postdoctoral Fellow, Institut für Erd und Umweltwissenschaften (Potsdam Universität, Germany) Postdoctoral position on Asian paleoclimates under the supervision of M. Strecker (Laureate of a 2-years Marie Curie fellowship)
January 2015 – September 2015	Postdoc at the Biodiversity Institute, University of Kansas (Lawrence, USA) Postdoctoral position on Eocene paleoclimatic & paleogeographic reconstructions under the supervision of K.C. Beard.
January 2014 – December 2014	Postdoc at the Department of Geosciences, University of Arizona (Tucson, USA) Postdoctoral position on Eocene paleoclimatic & paleoaltimetric reconstructions under the supervision of J. Quade. Laureate of a 1-year Fyssen Foundation study grant.
September 2010 – November 2013	PhD student at the Institut de Paléontologie Humaine : Evolution et Paléoenvironnements (IPHEP, Poitiers, France) & Centre de Recherches Pétrographiques et Géochimiques (CRPG, Nancy, France) PhD Thesis « Paleodrainage, paléoenvironnements and paleoclimate of the Burmese Eocene series: implications on the origin and the early evolution of Asian anthropoids ». Directors: J.J. Jaeger (IPHEP) & C. France-Lanord (CRPG).
September to December 2009	Internship at Areva BU Mines (France, Mongolia) Exploration campaign in the Gobi Desert (Mongolia), core logging and geochemical modeling of the uranium ore dynamics.
January 2009 – July 2010	Research Internships at the Institut de Physique du Globe de Paris (IPGP, France) Research study in archeomagnetism (ceramic samples dating, geomagnetic modeling), under the direction of Y. Gallet & G. Hulot.
August 2008 - December 2009	Master's degree in Applied Engineering, Ecole des Mines de Paris (ENSMP, France) Majored in Geosciences, specialized in Geology.
April to August 2008	Internship at Total SA (France, Canada) Depositional modeling of the Mc Murray Formation (Alberta). Field trips in Alberta, Western Canada.
August 2005 - December 2009	Master's Degree in Civil Engineering, Ecole Polytechnique (X, Palaiseau, France) Majored in Physics, Applied Mathematics and Earth Sciences.
September 2006 - June 2009	Bachelor's Degree in History Study in parallel with the École Polytechnique curriculum, carried out at Paris X Nanterre.

PROFESSIONAL OFFICES / SERVICES / AWARDS

Current and future services & duties

- **Co-direction of the Climate team at CEREGE** (including 30 research scientists and teaching faculty members, 12 supporting staff and 20 PhD students and postdoc). Leadership transition in early 2023, acting co-director in late 2023-early 2024.
- **Member of the Communication team of CEREGE** (duties: organization of monthly seminar, design of CEREGE website).
- **Member of the Scientific Board of the Parc Naturel Régional du Luberon (PNRL).**
- **Founder and PI of the Myanmar Paleoclimate and Geodynamics Research Group**

Various duties including: managing a team of >15 international scientists, organizing field trips and outreach activities in Myanmar, managing scientific collaboration with Burmese authorities and academics, updating the team's website (<https://myapgr.blog/>).

Past Services & Duties at the University of Washington (2016-2020)

• Co-manager of the Trace Element Lab

The lab includes two ICP-mass spectrometers and one laser acquired in Summer 2016 and is designed to provide trace element compositional and isotopic analyses of a broad type of material. Duties includes: managing machine use and maintenance, managing and mentoring one full time technician, designing a cost-center budget, controlling data quality.

• Co-manager of ESS rock preparation labs

Various duties including: managing machine use and maintenance, user training, designing the rock prep website and writing tutorials (<http://rockprep.ess.washington.edu/>), controlling the cleaning and the safety of the rooms.

• Department colloquium organizer (Winter and Spring 2018)

• Member of the Graduate admission committee (2017), member of the Diversity Equity and Inclusion committee (2019-2020)

Teaching at the University of Aix-Marseille (2020-onwards)

Master 2 STPE - course "Le cycle long du carbone et lien avec le climat passé" – Fall quarter 2021, 2022, 2023

Teaching at the University of Washington (2016-2020)

ESS 455 (Stratigraphy) – Winter quarter 2017 and 2018

ESS 456 (Sedimentary Geology and Depositional Environments) – Spring Quarter 2017, 2018 and 2020

BIOL 483 (Seminar in Paleobiology) – Winter Quarter 2018, Spring 2020

ESS 400a (Summer field camp) – Summer Quarter 2018 and 2019

ESS 213 (Evolution of the Earth) – Spring 2019.

ESS 490 (graduate-level seminar) – multiple seminars on climate, tectonics, and sediment topics

Offices and services before 2016

September 2010 - August 2013 **Université de Poitiers (Poitiers, France)** – Teaching assistant
Teaching in Paleoclimatology, Regional Geology of France, Earth Surface Dynamics and Cartography for three years.
2008 - 2011 **Scène-Expériences (Paris, France)**– Trainer in Communication
Trainer in communication skills through theatre, consultant for banking and consulting groups.
September 2008 - June 2009 **Lycée Lakanal (Sceaux, France)** – Oral examiner in Scientific preparatory classes
Weekly oral examiner in Mathematics.
Spring and Summer 2007 **Study Up (Paris, France)**– Learning support teacher for students in Scientific preparatory classes
Teaching in Mathematics and Physics.
June 2006 - December 2007 **X-MicroFinance (Palaiseau, France)**- President
Founder and first president of X-MicroFinance, humanitarian association of development aid; Founder of a bank for poor people in Guatemala. Coordination of the activity of more than sixty volunteers and organization of national events.
September 2005 - April 2006 **Military service (French Guyana, France)**– Officer
Army officer: training at School of Saint-Cyr Coëtquidan, then platoon commander in Saint-Jean-du-Maroni (French Guyana).

Awards

December 2022 **Early Career scientist award of the Conseil départemental des Bouches du Rhône**
Prix Départemental Jeune Chercheur 2022 pour la Recherche en Provence.
May 2014 **Van Straelen award of the Société Géologique de France**
Best PhD on Surface Geology in 2013.
June 2000 **First prize of the "Géophiles" competition**
National competition of Geography and Earth Sciences.

INVITED TALKS

- **TOPO-EUROPE workshop**, Sopron, Hungary (September 2023).
- **Laboratoire des Sciences du Climat et de l'environnement**, Saclay, France (August 2023).
- **VeWA Annual Meeting, Senckenberg Institute**, Frankfurt, Germany (June 2023).
- **Université de N'Djamena**, Chad (February 2022).
- **CRPG, Université de Lorraine**, Nancy (November 2021).
- **2021 Monsoon Seminar Series**, online. Introductory talk (January 2021).
- **University Aix-Marseille, CEREGE**, Aix-en-Provence, France (December 2020).
- **GeoMyanmar Conference**, Yangon, Myanmar (January 2020).
- **AGU Fall meeting**, San Francisco, USA (December 2019).
- **GSA PENROSE workshop CLAST**, Juneau, Alaska, USA (August 2019).
- **Western Washington University**, Bellingham, USA (February 2019).
- **University Aix-Marseille, CEREGE**, Aix-en-Provence, France (September 2018).
- **Louisiana State University**, Baton Rouge, USA (March 2018).
- **University of Lyon**, Lyon, France (December 2017).
- **University of Yangon**, Yangon, Myanmar (December 2016).
- **University of East Yangon**, Yangon, Myanmar (December 2016).
- **Biodiversität und Klima Forschungszentrum (Bik-F)**, Frankfurt, Germany (February 2016).
- **Universität Frankfurt**, Frankfurt, Germany (January 2016).
- **Geoforschungszentrum (GFZ)**, Potsdam, Germany (November 2015).
- **NSF Seminar the Colonization of Africa by Early Anthropoid Primates**, Santa Fe, USA (March 2015).
- **University of Arizona**, Tucson, USA (December 2014).
- **University of Kansas**, Lawrence, USA (September 2014).
- **University of Washington**, Seattle, USA (July 2014; April 2015)
- **Muséum National d'Histoire Naturelle**, Paris, France (June 2014)
- **Université de Rennes**, France (June 2014)
- **Laboratoire des Sciences du Climat et de l'environnement**, Saclay, France (June 2014)
- **Institut de Physique du Globe de Paris**, France (May 2014)
- **Université de Grenoble**, France (May 2014)
- **Utrecht Universiteit**, The Netherlands (November 2013)

STUDENTS AND SUPPORT STAFF

Postdoctoral students:

Leny Montheil (2023-2025; CEREGE)

Mustafa Kaya (2021; CEREGE)

PhD students:

Paul Botté (2023-2026; CEREGE)

Benjamin Raynaud (2023-2026; MNHN, co-advised with Anaïs Boura and Carina Hoom)

Zhongbao Zhang (2022-2023; University of Lanzhou, China, co-advised with Junsheng Nie; 1 year stay at CEREGE, CSC fellowship)

Perrine Poirier (2022-2025; CEREGE, co-advised with Alexis Nutz)

Nicolas Gentis (2021-2024; MNHN, co-advised with Anaïs Boura and Dario de Franceschi)

Hope Sisley (2018-2023; UW, co-advised with Julian Sachs)

Jan Westenweel (2017-2020; University of Rennes, co-advised with Pierrick Roperch and Guillaume Dupont-Nivet)

Li Sen (2018-2019; University of Geosciences Wuhan, China, co-advised with Hongtao Zhu; 1 year stay at UW, CSC fellowship)

Megan Mueller (2016-2021; UW)

Master students:

Nario Mahmoud Kisne (2023; CEREGE & Université de Ndjamen, Chad, co-advised with Jules Fleury and Florence Sylvestre)

Adrien Folch (2023; CEREGE)

Paul Botté (2022; CEREGE)

Phyo Wai Thant (2022; CEREGE, co-advised with Clara Bolton)

Idriss Abakar (2022; CEREGE, co-advised with Pierre Rochette and Bertrand Devouard)

Nicolas Gentis (2019; MNHN, co-advised with Anaïs Boura)

Johanna Harle (2018; ENS, France)

Virginia Littell (2017-2019; UW)

Undergraduate students (2016-2020, UW):

Lauren Burch, Kevin Jackson, Christopher Remilly, Kyle Lowery, Diana Parks, Dominic Jones, Mara Page, Andrea Hatsukami, Aida Rusman, Gui Aksit, Stokke Xu, Sam Shekut, Ian

Spendlove, Chris Baird, Jon Rowe, Ashika Capirala, Anjali Manoj, Brenden Britt, Derek Pierce

Support Engineers:

Anne Lise Jourdan (2023; CEREGE, stable isotope lab).

Camilla Crifo (2023; CEREGE, Micropaleontology lab).

Josué Dauvier (2023; CEREGE, Heavy Mineral separation lab).

Aude Gébelin (2022; CEREGE, stable isotope lab).

Tamas Ugrai (2017-2021; UW, LA-ICP-MS lab).

Support Technician:

Shelly Bergel (2020; UW, stable isotope lab).

Graduate student committee membership (PhD jury):

-UW (2016-2020): Megan Mueller, Virginia Littell, Paige Wilson, Brody Hovatter, Erin Williamson, Mikhail Echavari, Alex Lowe, Julia Kelson, Erik Goosmann, Susannah Morey, Mike Turzewski.

-France (2020-onwards): Julien Couturier, Clément Outrequin, Nazim Semmani (CEREGE), Nicolas Gentis (MNHN), Alexandre Hamon (ENSMP).

RESEARCH GRANTS

Awarded

September 2022-

August 2027

January-July 2021

ERC Consolidator Grant award

2 M€ to study Eocene mammalian dispersals.

APIC award (University of Aix-Marseille)

14 k€ to set up a heavy mineral extraction line.

June 2020 – May 2022

ANR-T (Tremplin) award

120 k€ to study Eocene primate biogeography.

April 2018 - December

2019

Royalty Research Fund (RRF) fellowship

35 k\$ to study the uplift history of the Cascade Mountain Range.

September 2015 -

September 2016

Alexander von Humboldt Postdoctoral fellowship

2-years Postdoctoral fellowship –granted but declined because non cumulative with a Marie Curie postdoctoral fellowship.

September 2015 -

September 2016

European Union Marie Curie Postdoctoral fellowship

2-years Postdoctoral fellowship (shortened to one year after moving to the US).

January to December

2014

Fyssen Foundation Postdoctoral fellowship

1-year Postdoctoral fellowship.

September 2010 –

August 2013

AMX PhD fellowship

3-years PhD fellowship from the Ecole polytechnique.

PUBLICATIONS

*indicates students I directly advise(d). *indicates students from other institutes that I co-advise(d) or co-mentor(ed).

In review or revision:

(73) A. Licht, P. Coster, P. Botté, M. Kaya, P. Deschamps, A. Guihou, S. Legal. Eocene - lower Oligocene lake systems in the heart of Provence: sedimentology and chronostratigraphy of the Apt Basin, Southeastern France. *The Depositional Record*

(72) C. Campbell*, M. Taylor, F. Ocakoglu, M. Mueller*, A. Licht, A. Möller, G. Métais, P. Coster & K.C. Beard. The Physiographic Response to Cenozoic Drip Tectonics in Central Anatolia. *GSA Bulletin*

(71) M. Mueller*, A. Licht, A. Moeller, C. Condit, J. Fosdick, F. Ocakoglu, C. Campbell, G. Métais, P. Coster, K.C. Beard. Comparing workflows for detrital rutile provenance studies: An application from the Neotethys Orogen in Anatolia. *Chemical Geology*

(70) N. Gentis*, A. Licht, D. De Franceschi, Zaw Win, Day Wa Aung, & A. Boura. An early diversification of angiosperm anatomical features at low latitudes? Insights from fossil wood and palm stems from the mid Paleocene of Myanmar. *American Journal of Botany*

(69) N. Meijer, A. Licht, A. Woutersen, C. Hoorn, F. Robin-Champigneul, A. Rohrmann, M. Tagliavento, J. Brugger, F. D. Kelemen, A. Schauer, M. Hren, A. Sun, J. Fiebig, A. Mulch, G. Dupont-Nivet. Extreme Eocene warmth drove proto-monsoons and desert greening far into the Asian interior. *Nature Geoscience*

(68) G. Métais, P. Coster, A. Licht, F. Ocakoglu, & K.C. Beard. Additions to the late Eocene Söngülü mammal fauna in Easternmost Anatolia and the Eocene-Oligocene transition at the periphery of Balkanotolia. *CR Palevol*

(67) G. Métais, P. Coster, A. Licht, K. Miller, F. Ocakoglu, K. Rust & K.C. Beard. Rapid colonization and diversification of a large-bodied mammalian herbivore clade in an insular context: New embranchments from the Eocene of Balkanotolia. *Zoological Journal of the Linnean Society*

Published:

(66) F. Fournier, T. Teillet, A. Licht, J. Borgomano & L. Montaggioni (in press). Eocene-Oligocene large-scale circulation of the East Asian summer monsoon recorded in neritic carbonates of the proto-South China Sea. *Palaeogeography, Palaeoclimatology, Palaeoecology*

(65) K.C. Beard, P. Coster, G. Métais, F. Ocakoglu, & A. Licht (in press). Dental anatomy, phylogenetic relationships and paleoecology of *Orhaniya nauta* (Metatheria, Anatoliadelphidae), a Gondwanan component of the insular Eocene mammal fauna of Balkanotolia (north-central Turkey). *Journal of Mammalian Evolution*

(64) D. Tardif, A.-C. Sarr, F. Fluteau, A. Licht, M. Kaya, J.-B. Ladant, N. Meijer, Y. Donnadiou, Guillaume Dupont-Nivet, CT Bolton, G Le Hir, Q Pillot, F Poblete, Pierre Sepulchre, A Toumoulin, W Banfield (2023). The role of paleogeography in Asian monsoon evolution: Associated a review and new insights from climate modelling. *Earth Science Reviews* 243, 104464.

(63) L. Sen*, A. Schauer, A. Licht, J. Liang, K. Huntington, K. Peng. Clumped isotope analysis of calcite and dolomite mixtures using selective acid extraction (2023). *Journal of Earth Science* 34, 726-734.

(62) Z. Wang, T. Zhang, A. Licht, M. Cao & R. Zhang (2023). Astronomical forcing on loess deposition in the Junggar Basin since the late Pliocene. *Geophysical Research Letters* (8) 50 e2022GL102584.

(61) H. Sisle*, M. Wolhowe, J. Rowe, A. Licht, & J. Sachs (2023). Rainshadow Effect on Hydrogen Isotopes in Leaf Wax n-Alkanes across the Cascade Mountains of Washington, USA (2023). *Organic Geochemistry* 178, 104572.

(60) C. Campbell*, M. Mueller*, M. Taylor, F. Ocakoglu, A. Moller, G. Métais, P. Coster, K.C. Beard & A. Licht (2023). The Geodynamic Implications of Passive Margin Subduction in Northwest Turkey. *Geochemistry Geophysics Geosystems* (2) 24, e2022GC010481.

(59) A. Nel, R. Garrouste, M. Kaya, A. Licht, S. Legal & P. Coster (in press). The second oldest representative of the genus *Aeshna* (Odonata: Aeshnidae) found in the Lowermost Oligocene of Luberon (France) and revealed by UV light. *Historical Biology*.

(58) H. Huang*, R.J. Morley, R. van der Ham, A. Licht, G. Dupont-Nivet, Zaw Win, Day Wa Aung & C. Hoorn (2023). *Grimmipollis burmanica* gen. et sp. nov.: New genus of the soapberry family (Sapindaceae) from the late Eocene of central Myanmar. *Review of Palaeobotany and Palynology* 309, 104818.

(57) Z. Zhang, A. Licht, D. De Vleeschouwer, D.B. Kemp, Z. Wang, R. Zhang, C. Huang (2023). East Asian monsoonal climate sensitivity changed in the late Pliocene in response to northern hemisphere glaciations (2022). *Geophysical Research Letters* 49, e2022GL101280.

(56) C.E. Seyler, J. D. Kirkpatrick, C. Faber, A. Licht, D. Šilerová, and C. Regalla (2022). Structural and metamorphic history of the Leech River Shear Zone, Vancouver Island, British Columbia (2022). *Tectonics*, e2021TC007132.

(55) N. Meijer*, G. Dupont-Nivet, A. Licht, P. Roperch, A. Rohrmann, A. Sun, S. Lu, A. Woutersen, N. Nowaczyk (2023). Early Eocene magnetostratigraphy and tectonic evolution of the Xining Basin, NE Tibet. *Basin Research* 5, 510–529.

(54) H. Huang*, R.J. Morley, A. Licht, G. Dupont-Nivet, D. Pérez-Pinedo*, J. Westerweel*, Zaw Win, Day Wa Aung, E. Budi Lelono, G.N. Aleksandrova, R.K. Saxena, C. Hoorn (2023). A proto-monsoonal climate in the late Eocene of Southeast Asia: Evidence from a sedimentary record in central Myanmar. *Geoscience Frontiers* 14 (1), pp.101457.

(53) N. Gentis*, A. Licht, A. Boura, D. De Franceschi, Zaw Win, Day Wa Aung, & G. Dupont-Nivet (2022). Fossil wood from the lower Miocene of Myanmar (Natma Formation): paleoenvironmental and biogeographic implications. *Geodiversitas* 44 (28), pp.853-909.

(52) A. Licht, J. Kelson, S. Bergel, A. Schauer, S.V. Petersen, A. Capirala*, K. Huntington, G. Dupont-Nivet, Zaw Win, Day Wa Aung (2022). Dynamics of pedogenic carbonate growth in the monsoonal tropical domain. *Geochemistry Geophysics Geosystems* 23 (7), e2021GC009929.

(51) A. Licht & L. Giosan (2022). The Ayeyarwady River. *Large Rivers*, 2nd edition, Wiley (Book chapter).

(50) A.-C. Sarr, Y. Donnadiou, C.T. Bolton, J.-B. Ladant, A. Licht, F. Fluteau, M. Laugié, D. Tardif, G. Dupont-Nivet (2022). Reconciling South Asian Monsoon Rainfall and Wind Histories. *Nature Geoscience*, 15 (4), pp.314-319.

(49) A. Toumoulin, D. Tardif, Y. Donnadiou, A. Licht, J.-B. Ladant, L. Kunzmann, and G. Dupont-Nivet. Evolution of continental temperature seasonality from the Eocene greenhouse to the Oligocene icehouse - A model-data comparison (2022). *Climate of the Past*, 18 (2), 341-362.

(48) A. Licht, G. Métais, P. Coster, D. Ibliloglu, F. Ocakoglu, J. Westerweel*, M. Mueller*, C. Campbell*, S. Mattingly, M.C. Wood & K.C. Beard (2022). Balkanotolia: the insular mammalian biogeographic province that partly paved the way to the Grande Coupure. *Earth Science Reviews* 226, pp.103929.

(47) M. Mueller*, A. Licht, C. Campbell*, F. Ocakoglu, G. Aksit*, G. Métais, P. Coster, K.C. Beard & M. Taylor (2022). Sedimentary provenance from the evolving forearc-to-foreland Central Sakarya Basin, western Anatolia reveals multi-phase intercontinental collision. *Geochemistry Geophysics Geosystems* 23, e2021GC010232.

(46) P.C. Bandyopadhyay, D.J.J. van Hinsbergen, D. Bandyopadhyay, A. Licht, E.L. Advokaat, A. Plunder, B. Ghosh, A. Dasgupta, and J. Trabucho-Alexandre. Paleogeography of the West Burma Block and the eastern Neotethys Ocean: constraints from Cenozoic sediments shed onto the Andaman-Nicobar ophiolites (2022). *Gondwana Research* 103, 335-361.

(45) H. Ao, E.J. Rohling, R. Zhang, A.E. Holbourn, A.P. Roberts, J.B. Ladant, G. Dupont-Nivet, W. Kuhnt, Y. Xu, Q. Liu, Z. Liu, M.J. Dekkers, C.J. Poulsen, A. Licht, J.C.H. Chiang, X. Liu, G. Wu, C. Ma, W. Zhou, F. Wu, Z. Jin, X. Li, X. Peng, Q. Sun, P. Zhang, X. Qiang, Z. An (2021). Global warming-induced Asian hydrological climate transition across the Miocene-Pliocene boundary. *Nature Communications* 12(1), 1-13.

(44) D. Tardif, A. Toumoulin, F. Fluteau, Y. Donnadiou, G. Le Hir, N. Barbolini, A. Licht, J.-B. Ladant, P. Sepulchre, N. Viovy, C. Hoorn, G. Dupont-Nivet. Orbital variations as a major driver of climate and biome distribution during late Eocene to early Oligocene times (2021). *Science Advances* 7(43), eab82819.

(43) H. Huang*, D. Pérez-Pinedo, R.J. Morley, G. Dupont-Nivet, A. Philip, Zaw Win, Day Wa Aung, A. Licht, P.E. Jardine, C. Hoorn (2021). At a crossroads: the late Eocene flora of central Myanmar owes its composition to plate collision and tropical climate. *Review of Palaeobotany and Palynology* 291, 104441.

(42) F. Cong, J. Tian, F. Hao, A. Licht, Y. Liu & J. Eiler (2021). A thermal pulse induced by a Permian mantle plume in the Tarim Basin, Southwest China: Constraints from clumped isotope thermometry and in-situ calcite U-Pb dating. *JGR: Solid Earth* 126 (4), e2020JB020636.

(41) N. Meijer*, G. Dupont-Nivet, N. Barbolini, A. Woutersen, A. Rohrmann, Y. Zhang, X.J. Liu, A. Licht, H.A. Abels, C. Hoorn, R. Tjallingii, C. Andermann, M. Dietze & N. Nowaczyk (2021). Loess-Like Dust Appearance at 40 Ma in Central China. *Paleoceanography and Paleoclimatology* 36 (3), e2020PA003993.

(40) F. Poblete, G. Dupont-Nivet, A. Licht, D. van Hinsbergen, P. Roperch, M. Mihalynuk, S. Johnston, F. Guillocheau, G. Baby, F. Fluteau, C. Robin, T. Van der Linden, D. Ruiz, M. Baatsen. Global paleogeographic maps through the Greenhouse-Icehouse transition at 60, 40 and 20 Ma (2021). *Earth Science Reviews* 103508.

(39) N. Meijer*, Dupont-Nivet, G., Licht, A., Trabucho-Alexandre, J., Bourquin, S., & Abels, H. A. (2020). Identifying eolian dust in the geological record. *Earth-Science Reviews*,

- (38) J. Westerweel*, A. Licht, N. Cogné, P. Roperch, G. Dupont-Nivet, Myat Kaithy*, Hnin Hnin Swe*, H. Huang, Zaw Win, Day Wa Aung (2020). Eocene to Miocene northward motion of the Burma Terrane and its indentation in the Eastern Himalayas. *Tectonics* 39, e2020TC006413.
- (37) S. Shekut* & A. Licht (2020). Late middle Miocene emersion of the Olympic Peninsula shown by sedimentary provenance. *Lithosphere* (1): 7040598.
- (36) H. Ao, G. Dupont-Nivet, E.J. Rohling, P. Zhang, J.-B. Ladant, A.P. Roberts, A. Licht, Q. Liu, Z. Liu, M.J. Dekkers, H.K. Coxall, Z. Jin, C. Huang, G. Xiao, C.J. Poulsen, N. Barbolini, N. Meijer*, Q. Sun, X. Qiang, J. Ya & Z. An (2020). Orbital climate variability on the northeastern Tibetan Plateau across the Eocene-Oligocene transition. *Nature Communications* 11, 5249.
- (35) N. Barbolini, A. Woutersen, G. Dupont-Nivet, D. Silvestro, D. Tardif, P.M.C. Coster, N. Meijer*, C. Chang, H.X. Zhang, A. Licht, C. Rydin, A. Koutsodendris, F. Han, A. Rohrmann, X.-J. Liu, Y. Zhang, Y. Donnadieu, F. Fluteau, J.-B. Ladant, G. Le Hir and C. Hoorn (2020). Cenozoic evolution of the steppe-desert biome in Central Asia. *Science advances* 6, eabb8227.
- (34) A. Licht, G. Dupont-Nivet, N. Meijer*, J. Caves-Rugenstein, A. Schauer, J. Fiebig, A. Mulch, C. Hoorn, N. Barbolini & Z. Guo. Decline of soil respiration in NE Tibet through the fall into the Oligocene icehouse. *Palaeogeography, Palaeoclimatology, Palaeoecology* 560, 110016.
- (33) A. Licht, Zaw Win, J. Westerweel*, N. Cogné, C.K. Morley, S. Chantraprasert, F. Poblete, T. Ugrai, B. Nelson, Day Wa Aung and G. Dupont-Nivet (2020). Magmatic history of central Myanmar and implications for the evolution of the Burma Terrane. *Gondwana Research* 87, 303-319.
- (32) K.C. Beard, G. Metais, F. Ocakoglu & A. Licht (2020). An omomyid primate from the Pontide Microcontinent of north-central Anatolia: implications for sweepstakes dispersal of terrestrial mammals during the Eocene. *Geobios* (in press).
- (31) D. Tardif, F. Fluteau, Y. Donnadieu, G. Le Hir, J.-B. Ladant, A. Licht, F. Poblete, G. Dupont-Nivet, & P. Sepulchre (2020). The onset of Asian Monsoons: a modelling perspective. *Climate of the Past* 16 (3), 847-865.
- (30) H. Huang*, R. Morley, A. Licht, G. Dupont-Nivet, F. Grimsson, R. Zetter, Zaw Win, Day Wa Aung & C. Hoorn. Eocene palms from central Myanmar in a SE Asian and global perspective: Evidence from the palynological record (2020). *Botanical Journal of the Linnean Society* 194, 177-206.
- (29) G. Xiao, Y. Sun, J. Yang, Q. Yin, G. Dupont-Nivet, A. Licht, A.E. Kehew, Y. Hu, J. Geng, Z. Wang, G. Dai, & Z. Wu (2020). Early Pleistocene integration of the Yellow River shown by detrital zircon provenance. *Palaeogeography, Palaeoclimatology, Palaeoecology* 109691.
- (28) M.D. Turzewski, K.W. Huntington, A. Licht & K. Lang. Provenance and erosional impact of Quaternary megafloods through the Yarlung-Tsangpo Gorge from zircon U-Pb geochronology of flood deposits, Eastern Himalaya (2020). *Earth and Planetary Science Letters* 535, 116113.
- (27) R. Leary, P. Umhoefer, M. Smith, T. Smith, J. Saylor, N. Riggs, G. Burr, E. Lodes, D. Foley, A. Licht, M. Mueller* & C. Baird* (2020). Provenance of Pennsylvanian-Permian sedimentary rocks associated with the Ancestral Rocky Mountains orogeny in southwestern Laurentia: implications for continental-scale Laurentian sediment transport systems. *Lithosphere* 12, 88-121.
- (26) M. Mueller*, A. Licht, C. Campbell*, F. Ocakoglu, M. Taylor, L. Burch*, T. Ugrai, M. Kaya*, B. Kurtoglu, P. Coster, G. Metais & K.C. Beard (2019). Collision chronology along the Izmir-Ankara-Erzincan suture zone: Insights from the Sarıcakaya Basin, western Anatolia. *Tectonics* 38 (10), 3652-3674.
- (25) J. Westerweel*, P. Roperch, A. Licht, G. Dupont-Nivet, Zaw Win, F. Poblete, Hnin Hnin Swe*, Myat Kaithy*, Day Wa Aung (2019). Paleomagnetic data from the Burma Terrane (Myanmar) constrain the geodynamic evolution of the India-Asia collision. *Nature Geoscience* 12, 863-868.
- (24) F. Polette, A. Cincotta, D.J. Batten, P. Depuydt, A. Licht, D. Neraudeau, G. Garcia & X. Valentin (2019). Palynological assemblage from the lower Cenomanian plant-bearing Lagerstätte of Jaunay-Clan-Ormeau-Saint-Denis (Vienne, western France): stratigraphic and palaeoenvironmental implications. *Review of Palaeobotany and Palynology* 271, 104102.
- (23) Z. Wang, H. Chunju, A. Licht, R. Zhang & D.B. Kemp (2019). Middle to late Miocene eccentricity forcing on lake expansion in NE Tibet: implications for the evolution of the East Asian monsoon. *Geophysical Research Letters* 46, 6926-6935.
- (22) S. Botsyun, P. Sepulchre, Y. Donnadieu, C. Risi, A. Licht, & J.K. Caves (2019). Revisited Paleolimetry Data Show Low Tibetan Plateau Elevation during the Eocene. *Science* 363 (6430), eaq1436.
- (21) N. Meijer*, G. Dupont-Nivet, H.A. Abels, M. Kaya*, A. Licht, M. Xiao, Y. Zhang, P. Roperch, M. Poujol, Z. Lai & Z. Guo (2019). Central Asian moisture modulated by proto-Paratethys Sea incursions since the Early Eocene. *Earth and Planetary Science Letters* 510, 73-84.
- (20) M. Page*, A. Licht, G. Dupont-Nivet, N. Meijer*, A. Schauer, K. Huntington, D. Bajnai, J. Fiebig, A. Mulch, & Z. Guo (2019). Synchronous cooling and decline in monsoonal rainfall in NE Tibet through the fall into the Oligocene Icehouse. *Geology* 47 (3), 203-206.
- (19) A. Licht, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, P. Roperch, D. Park*, V. Littell*, J. Westerweel, D. Jones*, F. Poblete, Day Wa Aung, H. Huang, C. Hoorn, & Kyaing Sein (2019). Paleogene evolution of the Burmese forearc basin and implications for the history of India-Asia convergence. *GSA Bulletin* 131 (5-6), 730-748.
- (18) F. Ocakoglu, A. Hakyemez, S. Apkalın, S. Altın, Y. Büyükmeriç, A. Licht, U. Tekin, H. Demircan, Ü. Şafak, A. Yıldız, İ. Yılmaz, M. Wägrich, C. Campbell (2019). Chronology of Subduction and Collision along the Izmir-Ankara Suture in Western Anatolia: records from the Central Sakarya Basin. *International Geology Review* 61, 1244-1269.
- (17) M.F. Jones, P. Coster, A. Licht, G. Metais, F. Ocakoglu, M. Taylor & K.C. Beard (2019). A stem bat (Chiroptera: Palaeochiropterygidae) from the late middle Eocene of northern Anatolia: Implications for the dispersal and paleobiology of early bats. *Palaeobiodiversity and Palaeoenvironments* 99(2), 261-269.
- (16) G. Metais, P. Coster, J.R. Kappelman, A. Licht, F. Ocakoglu, M. Taylor, & K.C. Beard. (2018) Eocene metatherians from Anatolia illuminate the assembly of an island fauna during Deep Time. *Plos One* 11, e0206181.
- (15) Z. Wang, S. Yongjin, A. Licht & H. Chunju (2018). Sedimentology and magnetostratigraphy of the Middle Miocene Ashigong Formation, Guide Basin, China, and its implications for the tectonic and paleoclimatic evolution of NE Tibet. *Palaeogeography and Palaeoclimatology* 33, 1066-1085.
- (14) M. De Los Santos*, P. Copeland, T. Lawton, A. Licht & S. Hall (2018). Magnetostratigraphy, age and depositional environment of the Lobo Formation, southwest New Mexico: Implications for the Laramide orogeny in the southern Rocky Mountains. *Basin Research* 30 (S1), 401-423.
- (13) A. Licht, P. Coster, F. Ocakoglu, C. Campbell, G. Metais, A. Mulch, M. Taylor, J. Kappelman (2017). Tectono-stratigraphy of the Orhaniye Basin, Turkey: Implications for collision chronology and Paleogene biogeography of central Anatolia. *Journal of Asian Earth Sciences* 143, 45-58.
- (12) A. Licht, J. Quade, A. Kowler, M. De Los Santos, A. Hudson, A. Schauer, K. Huntington, P. Copeland & T. Lawton (2017). Impact of the North American monsoon on isotope paleolimetry: implications for the paleolimetry of the American Southwest. *American Journal of Science* 317, 1-23.
- (11) A. Licht, G. Dupont-Nivet, A. Pullen, P. Kapp, H.A. Abels, Z. Lai, Z. Guo, J. Abell & D. Giesler (2016). Resilience of the Asian atmospheric circulation shown by Paleogene dust provenance. *Nature Communications* 7, 12390.
- (10) A. Licht, A. Pullen, P. Kapp, J. Abell & D. Giesler (2016). Eolian cannibalism: Reworked loess and fluvial sediment as the main sources of the Chinese Loess Plateau. *Geological Society of America Bulletin*, B31375-1.
- (9) A. Licht, L. Reisberg, C. France-Lanord, Aung Naing Soe & J.J. Jaeger (2016). Cenozoic evolution of the central Myanmar drainage system: insights from sediment provenance in the Minbu Sub-Basin. *Basin Research* 28, 237-251.
- (8) A. Licht, A. Boura, D. De Franceschi, T. Utescher, Chit Sein, & J.J. Jaeger (2015). Late middle Eocene fossil wood of Myanmar: implications for the landscape and the climate of the Eocene Bengal Bay. *Review of Palaeobotany and Palynology* 216, 44-54.
- (7) A. Licht, M. van Cappelle, H. A. Abels, J.B. Ladant, J. Trabucho-Alexandre, C. France-Lanord, Y. Donnadieu, J. Vandenberghe, T. Rigaudier, C. Lécuyer, D. Terry Jr., R. Adriaens, A. Boura, Z. Guo, Aung Naing Soe, J. Quade, G. Dupont-Nivet & J.-J. Jaeger (2014). Asian monsoons in a late Eocene greenhouse world. *Nature* 513, 501-506.
- (6) X. Valentin, B. Gomez, Y. Daviero-Gomez, S. Charbonnier, P. Ferchaud, A.G. Kirijshuke, A. Licht, D. Neraudeau, R. Vullo & G. Garcia (2014). Plant-dominated assemblage and invertebrates from the lower Cenomanian of Jaunay-Clan, south-western France. *Comptes Rendus Palévol* 13, 443-454.
- (5) A. Licht, I. Cojan, L. Caner, Aung Naing Soe, J.J. Jaeger & C. France-Lanord (2014). Role of permeability barriers in alluvial hydromorphic palaeosols: the Eocene Pondaung Formation, Myanmar. *Sedimentology* 61, 362-382.
- (4) A. Licht, A. Boura, D. De Franceschi, S. Ducrocq, Aung Naing Soe & J.J. Jaeger (2014). Fossil woods from the Late Middle Eocene Pondaung Formation, Myanmar. *Review of Palaeobotany and Palynology* 202, 29-46.
- (3) I.G. Usoskin, G. Hulot, R. Roth, A. Licht, F. Joos, G.A. Kovaltsov, E. Thebaud & A. Khokhlov (2014). Evidence for distinct modes of solar activity. *Astronomy and Astrophysics* 562, L10.
- (2) A. Licht, C. France-Lanord, L. Reisberg, C. Fontaine, Aung Naing Soe & J.J. Jaeger (2013). A palaeo Tibet-Myanmar connection? Reconstructing the late Eocene drainage system of central Myanmar using a multi-proxy approach. *Journal of the Geological Society, London* 170, 929-939.
- (1) A. Licht, G. Hulot, Y. Gallet & E. Thebaud (2013). Ensembles of low degree archeomagnetic field models for the past three millennia. *Physics of the Earth and Planetary Interiors* 224, 38-67.

OTHER PUBLICATIONS

Articles in large-audience journals and books:

- A. Boura, N. Gentis, D. De Franceschi, A. Licht (2022). Bois fossile et mousson asiatique. in *Paléontologie d'aujourd'hui*, Edp Sciences, 272p.
- A. Licht (2016). La mousson asiatique remonte à 40 millions d'années. in *Encyclopaedia Universalis 2016* (French edition), Encyclopaedia Britannica, Chicago U.S., 331-332.

Field guides:

- P. Coster, S. Legal, P. Leonide, A. Licht, B. Suchéras-Marx (2022). INA18 Luberon fieldguide (2-day geological excursion in the Luberon Geological Reserve).

International medias speaking about my scientific works:

- *NBC News, Business Insider, Le Figaro* (in French), *Libération* (in French), *La Méthode Scientifique* (Science radio show in French) (Winter 2022).
- *The Economist, the Times of India, The Business Spectator, Pour La Science* (in French), *L'Est Republicain* (in French) (September 2014).
- *The International Business Time, Science Daily* (September 2016)
- *ScienceNews* (March 2019)

PARTICIPATION IN INTERNATIONAL CONFERENCES

- **Theme Co-chair** at TOPO-EUROPE 2023 meeting (Sopron, Hungary). Theme 9: Links between tectonics, climate and the biosphere.
- **Theme Co-chair** at Goldschmidt 2023 (Lyon). Theme 9: Earth surface processes from erosion to climate change.
- **Co-organizer** of the 2022 Greenice workshop on the Eocene-Oligocene Transition in France (France; October 2022).
- **Organisation committee member** of the 2020 American Quaternary Association conference meeting, Seattle (USA; June 2020).
- **Co-convener** of the 2016, 2017, 2018, and 2019 scientific sessions on the Asian Monsoons at the European Geosciences Union conference meeting in Vienna.
- **Co-convener** of the 2018 scientific session on the Irrawaddy River at the American Geophysical Union conference meeting in Washington DC.
- **Main convener** of the 2017 scientific session on the Cenozoic paleoclimates and Ecosystem at the Geological Society of America conference meeting in Seattle.
- **Organisation committee member** of the 2016 Basin Geology symposium of the Turkish association of Sedimentology, Eskisehir (Turkey; September 2016).

- K.C. Beard, K. Miller, K.L. Rust, F. Ocakoglu, P. Coster, **A. Licht**, G. Métais. New data on the early evolutionary history of Balkanatolian emmbrithopoda (mammalia, paenungulata) from the Cicekdagi Basin, central Anatolia. *SVP 83rd annual meeting*, Cincinnati, USA (oral, October 2023).
- F. Fournier, T. Teillet, **A. Licht**, J. Borgomano & L. Montaggioni. Early Oligocene Halimeda bioherms, offshore Palawan (Philippines): an early record of large-scale circulation of the East Asian summer monsoon? *17th Bathurst Meeting (International Meeting of Carbonate Sedimentologists)*, Napoli (oral, September 2023).
- Z. Zhang, J. Nie, **A. Licht**, N. Cogne, T. Shen, X. Liu, W. Wang, P. Gao, L. Li, M. Poujol, L. Hao. Anti-phase variation of long eccentricity and precipitation in inland Asia during the middle Miocene Climatic Optimum (MMCO). *EGU 2023 Meeting*, Vienna (oral, May 2023).
- G. Dupont-Nivet, J. Aminov, D. Ruiz, T. van der Linden, B. Gailleton, P. Roperch, F. Poblete, N. Meijer, M. Kaya, **A. Licht**, A. Gébelin, X. Fang, X. Yuan, and D. van Hinsbergen. New tools on Terra Antiqua 2.0 applied to reconstructing the paleogeography of the India-Asia collision. *EGU 2023 Meeting*, Vienna (oral, May 2023).
- **A. Licht**, H. Huang, Zaw Win, Day Wa Aung, C. Hoorn, R. Morley, J. Westerweel, A. Boura & G. Dupont-Nivet. Near-equatorial paleoenvironmental reconstructions of the Eocene Bengal Bay: insights from Burmese sedimentary archives and implications for past monsoonal evolution. *International Paleontology Congress (IPC) 6*, Khon Kaen, Thailand (talk, November 2022).
- **A. Licht**, G. Métais, P. Coster, D. İbilioğlu, F. Ocakoglu, J. Westerweel, M. Mueller, C. Campbell, S. Mattingly, M.C. Wood & K.C. Beard. A pre-Grande Coupure in the near East? Dating the demise of Balkanatia, the Eocene insular mammalian biogeographic province at the crossroads of Europe, Asia, and Africa. *International Paleontology Congress (IPC) 6*, Khon Kaen, Thailand (talk, November 2022).
- Campbell, C., Taylor, M. H., Mueller, **Licht, A., M., Ocakoglu, F. & Beard, K.C.** The drivers of small-scale drip tectonics and plateau development within the Tethyan orogen. *HKT 35th Meeting*, Pokhara, Nepal (oral, October 2022).
- M. Mueller, **A. Licht**, A. Moeller, C. Condit, F. Ocakoglu, C. Campbell, S. Shekut, J. Fossdick, K.C. Beard, G. Métais, P. Coster, M. Taylor. The Utility of Detrital Rutile U-Pb and Trace Elements in Accretionary Orogenic Settings. *GSA 2022 conference meeting*, Denver, USA (oral, October 2022).
- G. Dupont-Nivet, D. Ruiz, J. Aminov, T. van der Linden, B. Gailleton, P. Roperch, F. Poblete, N. Meijer, M. Kaya, **A. Licht**, A. Gébelin, X. Fang, D. van Hinsbergen. Paleogeography of the India-Asia collision reconstructed with Terra Antiqua. *Asian climate, tectonics and biodiversity hybrid conference*, London, UK (talk, September 2022).
- N. Meijer, **A. Licht**, G. Dupont-Nivet, P. Roperch, A. Rohrmann, A. Sun, A. Woutersen, M. Tagliavento, J. Brugger, C. Hoorn, G. Benevento, S. Fritz, J. Fiebig, A. Mulch. Eocene hydroclimatic evolution recorded in the Xining Basin, NE Tibet. *Asian climate, tectonics and biodiversity hybrid conference*, London, UK (talk, September 2022).
- P. Roperch, J. Westerweel, G. Dupont-Nivet, **A. Licht**, N. Cogne, F. Poblete. Paleogeography of the Burma Terrane since the Late Cretaceous. *Asian climate, tectonics and biodiversity hybrid conference*, London, UK (talk, September 2022).
- A.-C. Sarr, Y. Donnadieu, C.T. Bolton, J.-B. Ladant, **A. Licht**, F. Fluteau, M. Laugié, D. Tardif, G. Dupont-Nivet. Topographic evolution is responsible for diverging South Asian Monsoon Rainfall and Wind Histories during the Neogene. *Asian climate, tectonics and biodiversity hybrid conference*, London, UK (talk, September 2022).
- G. Dupont-Nivet, D. Ruiz, J. Aminov, T. van der Linden, B. Gailleton, P. Roperch, F. Poblete, N. Meijer, M. Kaya, **A. Licht**, A. Gébelin, X. Fang, D. van Hinsbergen. Paleogeography of the India-Asia collision reconstructed with Terra Antiqua. *CBEP12*, Bremen, Germany (poster, August 2022).
- N. Meijer, **A. Licht**, G. Dupont-Nivet, P. Roperch, A. Rohrmann, A. Sun, A. Woutersen, M. Tagliavento, J. Brugger, C. Hoorn, G. Benevento, S. Fritz, J. Fiebig, A. Mulch. Eocene hydroclimatic evolution recorded in the Xining Basin, NE Tibet. *CBEP12*, Bremen, Germany (poster, August 2022).
- Z. Zhang, **A. Licht**, D. De Vleeschouwer, D.B. Kemp, Z. Wang, R. Zhang and C. Huang. Orbitally-controlled Variations of the East Asian Climate System across the Pliocene-Pleistocene Transition and Links to Arctic Ice Sheet Expansion. *Goldschmidt 2022*, Hawaii, USA (oral, July 2022).
- N. Gentis, D. De Franceschi, **A. Licht**, Zaw Win, Day Wa Aung, & A. Boura. Burmese forest ecosystems during the Cenozoic: new insights based on fossil wood. *11th European Palaeobotany and Palynology Conference*, Stockholm, Sweden (oral, June 2022).
- L. Portailier, A. Tosal, **A. Licht**, P. Coster, F. Charieau, P. Botté, A. Boura. Caractérisation paléoclimatique de la flore rupélieenne (Oligocène inférieur, MP 25) de Bois d'Asson regard croisé entre collections patrimoniales et nouvelles prospections. *Congrès de l'association Paléontologique Française (APF) 2022*, Montpellier (oral, May 2022).
- F. Charieau, V. Girard, **A. Licht**, P. Coster, A. Tosal, L. Portailier, A. Boura, D. De Franceschi, C. Del Rio, & S. Fauquette. Étude de la macroflore fossile de Céreste (Alpes de Haute Provence, Oligocène inférieur) reconstruction paléoenvironnementale et paléoclimatique. *Congrès de l'association Paléontologique Française (APF) 2022*, Montpellier (oral, May 2022).
- A.-C. Sarr, Y. Donnadieu, C. Bolton, J.-B. Ladant, **A. Licht**, F. Fluteau, M. Laugié, D. Tardif, and G. Dupont-Nivet. Reconciling South Asian Monsoon Rainfall and Wind Histories. *EGU 2022 Meeting*, Vienna (oral, May 2022).
- **Licht, A.** Green-Ice: le groupe de travail français sur la transition greenhouse-icehouse paléogène. *GDR paléoclimat*, IPGP Paris (oral, Mars 2022).
- Campbell, C., Taylor, M. H., Mueller, **Licht, A., M., Ocakoglu, F., Andreas, M. Ó & Beard, K.C.** The surface response to Cenozoic drip tectonics in central Anatolia. *AGU 2021 Meeting*, New Orleans (oral, December 2021).
- Huntington, K. W., Morey, S., Turzewski, M. D., Lang, K. A., Mueller, M., Montgomery, D., **Licht, A.**, Goodbred, S.L., Pickering, J., Diamond, M. & Shobe, C. Impact of Tibetan lake outburst floods on erosion, morphology, and sedimentary record of the eastern Himalaya from source to sink. *AGU 2021 Meeting*, New Orleans (oral, December 2021).
- Dupont-Nivet, G. D., Ruiz, D., van der Linden, T., Poblete, F., Aminov, J., Van Hinsbergen, D. J., Kaya, M., Meijer, N., **Licht, A.**, Roperch, P., Hoorn, C., Fluteau, F., Tardif, D. & Donnadieu, Y. Eurasian paleogeographic reconstructions for Cenozoic climatic and biotic evolution. *AGU 2021 Meeting*, New Orleans (oral, December 2021).
- A.C. Sarr, Y. Donnadieu, C. Bolton, J.B. Ladant, **A. Licht**, F. Fluteau, M. Laugié, D. Tardif, G. Dupont-Nivet. Evolution asynchrone des pluies et des vents de mousson au cours du Miocène. *Réunion des Sciences de la Terre RST 2021*, Lyon (oral, November 2021).
- D. Tardif, A. Toumoulin, F. Fluteau, Y. Donnadieu, G. Le Hir, **A. Licht**, G. Dupont-Nivet, N. Barbolini, C. Hoorn, J.B. Ladant, P. Sepulchre, & N. Viovy. Quelle influence du forçage orbital sur le climat et les biomes de l'Éocène et de l'Oligocène ? *Réunion des Sciences de la Terre RST 2021*, Lyon (oral, November 2021).
- **A. Licht**, J. Kelson, S. Bergel, A. Schauer, S.V. Petersen, A. Capirala, K. Huntington, G. Dupont-Nivet, Zaw Win, and Day Wa Aung. Dynamics of soil carbonate growth in the tropical domain. *Réunion des Sciences de la Terre RST 2021*, Lyon (oral, November 2021).
- N. Gentis, **A. Licht**, A. Boura, D. De Franceschi, Zaw Win, Day Wa Aung. Fossil wood: a key to understand paleoenvironmental and biogeographic evolutions in South and Southeast Asia. *Agora Paleobotanica 2021*, Liège, Belgium (oral, October 2021).
- İbilioğlu, D., Ocakoglu, F., **Licht, A.**, Métais, G., Beard, K.C. (2021). Micropaleontological features of Kocayay Formation located in Çiçekdağ Region (Kırşehir, Central Anatolia). *2021 Turkish Paleontology-Stratigraphy Workshop* (online, October 2021).
- Mueller, M., **Licht, A.**, Campbell, C., Ocakoglu, Beard, K.C., ... & Taylor, M. (2021). Forearc and foreland Basin evidence for protracted late Cretaceous-Eocene collision in western Anatolia. *GSA 2021 Meeting*, Portland, USA (oral, October 2021).
- Campbell, C., Taylor, M. H., Mueller, **Licht, A., M., Ocakoglu, F., Andreas, M. Ó & Beard, K.C.** The Physiographic response to Cenozoic drip tectonics in central Anatolia. *GSA 2021 Meeting*, Portland, USA (oral, October 2021).
- Huang, H., Morley, R., **Licht, A.**, Dupont-Nivet, G., Grímsson, F., Zetter, R., Westerweel, J., Zaw Win, Hoorn, C. (2021). Eocene palms from central Myanmar, and their implications for paleoecology, paleoenvironment and biogeography. *ECBC 2020 Amsterdam*, the Netherlands. (Poster, October 2021).
- Toumoulin, A., Donnadieu, Y., Tardif, D., Ladant, J. B., **Licht, A.**, Kunzmann, L., & Dupont-Nivet, G. (2021). Continental temperature seasonality from Eocene Warmhouse to Oligocene Coolhouse—A model-data comparison. *EGU 2021 Meeting*, online (oral, April 2021).
- Mueller, M., **Licht, A.**, Campbell, C., Ocakoglu, F., Aksit, G., Métais, G., ... & Taylor, M. (2021). Closing the Neotethys Ocean in western Anatolia: Insights from forearc and foreland sedimentary basin records. *EGU 2021 Meeting*, online (oral, April 2021).
- Westerweel, J., Roperch, P., Dupont-Nivet, G., **Licht, A.**, Cogne, N., & Poblete, F. Northward motion of the Burma Terrane alongside India during the Cenozoic. *EGU 2021 Meeting*, online (oral, April 2021).
- Huang, H., Pérez-Pinedo, D., Morley, R.J., Dupont-Nivet, G., Philip, A., Zaw Win, Day Wa Aung, **Licht, A.**, Jardine, P.E., Hoorn, C. (2021). The Burma Terrane in the late Eocene: A crossroads for plant dispersals between Gondwana and Laurasia. *Paleobotany seminar of the Botanical Society of Yunnan*, online (oral, April 2021)
- Campbell, C., M. Taylor, Ocakoglu, F., **Licht, A.**, M. Mueller, Andreas, M. Ó, Ç. Ocakoglu and C. Aşik. Evidence for Stepwise North to South Growth of the Cenozoic Central Anatolian Plateau (Turkey). *AGU 2020 Meeting*, online (oral, December 2020).
- Mueller, M., **Licht, A.**, Ocakoglu, F., Campbell, C., Aksit, G., Lowery, K., M. Taylor, G. Métais, P. Coster & Beard, K. C. A sedimentary basin record of multi-phase continental collision in western Anatolia. *AGU 2020 Meeting*, online (oral, December 2020).
- C. Seyler, J. Kirkpatrick, **A. Licht**, D. Silerova, C. Regalla. Evidence for subduction along the Leech River Fault and implications for Cordilleran tectonics. *GSA 2020 Meeting*, online (oral, October 2020).
- Campbell, C., Taylor, M. H., Mueller, **Licht, A., M., Ocakoglu, F., & Andreas, M. Ó.** Subducting Gondwanan-affinity passive margin triggered late Cretaceous Back-Arc extension of the Black Sea. *GSA 2020 Meeting*, online (oral, October 2020).
- A. Manoj, A. Lowe, **A. Licht**, I. Spendlove, M. Mueller, K.C. Beard. A Paleobotanical Perspective on the Middle to Late Paleocene in Central Wyoming. *Midcontinent Paleobotany 2020 Symposium*, online (oral, May 2020)
- N. Gentis, **A. Licht**, A. Boura, D. De Franceschi, Zaw Win, Day Wa Aung, G. Dupont-Nivet. Fossil woods from the middle Miocene of Myanmar: implications for the evolution of Dipteroocarpaceae. *Midcontinent Paleobotany 2020 Symposium*, online (oral, May 2020)
- J.K., Caves-Rugenstein, A. Winkler, S.H. Kramer, T. Kukla, D.E. Ibarra, **A. Licht**, P. Chamberlain, Exceptional greening of mid-latitude ecosystems during Cenozoic warm intervals. *Midcontinent Paleobotany 2020 Symposium*, online (oral, May 2020)
- N. Meijer, G. Dupont-Nivet, **A. Licht**, P. Roperch, A. Rohrmann, A. Woutersen, C. Hoorn, N. Barbolini, A. Sun, H.A. Abels, H. Meyer, N. Nowaczyk. Intensified hydrological cycle during the Early Eocene Climatic Optimum (EECO) recorded in the Xining Basin, NE Tibet. *Egu 2020 Meeting*, online (oral, May 2020).
- G. Dupont-Nivet, N. Meijer, M. Kaya, J. Westerweel, D. Tardif, N. Barbolini, A. Rohrmann, J. Aminov, D. Ruiz, A. Woutersen, H. Huang, F. Poblete, **A. Licht**, P. Roperch, C. Hoorn, J.N. Proust, F. Fluteau, Y. Donnadieu and S. Guillot. Asian paleoenvironments, paleogeography and paleobiodiversity interactions during the Greenhouse-Icehouse transition. *Egu 2020 Meeting*, online (oral, May 2020).
- P. Ballato, **A. Licht**, K. Huntington, A. Schauer, A. Mulch, G. Heidarzadeh, M. Paknia, J. Hassanzadeh, M. Mattei, M. Ghassemi, and M. Strecker. Constraints on the Timing of Surface Uplift of the Iranian Plateau (Arabia-Eurasian Collision Zone) from Clumped Isotope Thermometry on Pedogenic Carbonates. *Egu 2020 Meeting*, online (oral, May 2020).
- J. Westerweel, P. Roperch, **A. Licht**, G. Dupont-Nivet, Zaw Win, F. Poblete, H. Huang, Hnin Hnin Swe, Myat Kaythi, C. Hoorn, Day Wa Aung. India-Asia collision paleogeography constrained by Burma Terrane (Myanmar) Late Cretaceous to Miocene paleomagnetic data. *Egu 2020 Meeting*, Vienna, Austria (oral, May 2020)
- M. Mueller, **A. Licht**, F. Ocakoglu, C. Campbell, M. Kaya, B. Kurtoglu, G. Aksit, M. Taylor, G. Metais, P. Coster, K.C. Beard. Western Anatolian Record of Subduction Initiation through Collision. *Egu 2020 Meeting*, online (oral, May 2020).
- **A. Licht**, G. Dupont-Nivet, J. Westerweel, P. Roperch, Zaw Win, Hnin Hnin Swe, Myat Kaythi, T. Ugrai, V. Littell, Day Wa Aung, H. Huang, C. Hoorn. Four years of research in the Burmese forearc Basin with the MyaPGR group: insights on the Eocene of Myanmar. *GeoMyanmar 2020 conference meeting*, Yangon, Myanmar (invited talk, January 2020).
- J. Westerweel, **A. Licht**, N. Cogne, P. Roperch, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaythi, Day Wa Aung, H. Huang, C. Hoorn. Cenozoic deformation history of the Burma Terrane constrained by the sedimentary record of the Chindwin Basin. *GeoMyanmar 2020 conference meeting*, Yangon, Myanmar (oral, January 2020).
- P. Roperch, J. Westerweel, **A. Licht**, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaythi, T. Ugrai, V. Littell, Day Wa Aung, H. Huang, C. Hoorn. The India-Asia collision seen from Myanmar. *GeoMyanmar 2020 conference meeting*, Yangon, Myanmar (oral, January 2020).
- Campbell, C., Taylor, M. H., Ocakoglu, F., **Licht, A.**, Mueller, M., & Andreas, M. Ó. Structural and Sedimentological evolution of the Çankiri Basin: Implications for Early-Middle Miocene Plateau Development During Protracted Paleogene Intercontinental Collision in Central Anatolia (Turkey). *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).

- Tardif, D., Fluteau, F., Donnadieu, Y., Le Hir, G. J., Ladant, J. B., Poblete, F., ... & Licht, A. New insights about the Late Eocene monsoon-like atmospheric circulation using the IPSL Earth System Model: what is certain, less certain and very uncertain! *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Licht, A., Botsyun, S., Littell, V., Sepulchre, P., Donnadieu, Y., Risi, C., ... & Nivet, G. D. Is Tibetan Plateau uplift more recent than we thought? *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Ballato, P., Licht, A., Huntington, K. W., Schauer, A. J., Mulch, A., Heidarzadeh, G., ... & Strecker, M. Constraints on the Timing of Surface Uplift of the Iranian Plateau (Arabia-Eurasian Collision Zone) from Clumped Isotope Thermometry of Early Miocene to Quaternary Lacustrine and Pedogenic Carbonates. *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Shekut, S., & Licht, A. Middle Miocene uplift of the Olympic Mountains, Washington State, shown by sedimentary provenance. *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Métais G., Beard K.C., Ocakoglu F., Coster P.M.C., Licht A., Mattingly S.G., Wood M. & Sanders W.J. Connecting Anatolia to Asia and the end of a Tethyan island paradise. *PalEurafrica conference meeting*, Brussels, Belgium (oral, September 2019).
- Beard C., Métais G., Ocakoglu F., Coster P., Licht A., Sanisidro O., Mattingly S., Wood M. & Sanders W. Splendid isolation of middle Eocene mammals on the Pontide terrane (central Anatolia): genesis of a Tethyan island paradise. *PalEurafrica conference meeting*, Brussels, Belgium (oral, September 2019).
- G. Dupont-Nivet, Neijer, N., Kaya, M., Tardif, D., Li, L., Licht, A., Barbolini, N., Rohrmann, A., Aminov, J., Poblete, F., Roperch, P., Hoom, C., Prout, J.N., Fluteau, F., Donnadieu, Y. Monsoons vs. westerlies during Tibetan Plateau growth and greenhouse-icehouse transition. *GSA 2019 Meeting*, Phoenix, USA (oral, September 2019)
- C. Campbell, Taylor, M., Ocakoglu, F., Licht, A., Mueller, M., and Moller, A. Did the central Anatolian Cankiri Basin form as a result of an Oligo-Miocene Rayleigh-Taylor instability? implications for early Miocene plateau development in central Anatolia. *GSA 2019 Meeting*, Phoenix, USA (oral, September 2019)
- Li Sen, Licht, A., Huntington, K., Schauer, A. A revised methodology to acquire stable and clumped isotopic compositions from calcite-dolomite mixtures: case study investigating eocene diagenesis in the Bohai Bay Basin, China. *GSA 2019 Meeting*, Phoenix, USA (poster, September 2019)
- K. Huntington, Turzewski, M., Lang, K., Licht, A., Feathers, J., Montgomery, D. the detrital record of quaternary megafloods through the Tsangpo Gorge, Rastern Himalaya. *GSA 2019 Meeting*, Phoenix, USA (oral, September 2019)
- Gentis, N. Boura, A. & Licht, A. Fossil wood from the Miocene of Myanmar: application to the reconstruction of monsoonal paleoenvironments. *Agora Paleobotanica conference meeting*, Lille, France (Oral, July 2019)
- H. Huang, R. Morley, A. Licht, G. Dupont-Nivet, F. Grímsson, R. Zetter, J. Westerweel, Zaw Win, C. Hoorn. What can palm pollen tell us about abiotic changes in the late Eocene delta of the Central Myanmar Basin? *EUNOPS XIX –Annual Meeting of the European Network of Palm Scientists* Paris, France (Oral, May 2019).
- S. Shekut & A. Licht. Investigating the uplift chronology of the Olympic Mountains with sedimentary provenance proxies. *GSA Cordilleran section conference meeting*, Portland, USA (poster, May 2019).
- A. Licht, J. Westerweel, P. Roperch, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, T., Ugrai, F. Poblete, Day Wa Aung. The Burma Platelet in Southeast Asia; A Cenozoic analogue for the Baja-BC coastwise translations. *GSA Cordilleran section conference meeting*, Portland, USA (oral, May 2019)
- G. Xiao, Y. Sun, J., Yang, Q. Yin, G. Dupont-Nivet, A. Licht, A. Kehew, Q. Xu, Y. Hu, J. Geng, Z. Wang, G. Dai, & Z. Wu. Yellow River integration linked to Pleistocene increased climate instability. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- G. Dupont-Nivet, M. Page, A. Licht, N. Meijer, N. Barbolini, A. Woutersen, C. Hoorn, D. Tardif, G. LeHir, F. Fluteau, A. Toumoulin, Y. Donnadieu, A. Schauer, K. Huntington, J. Fiebig, A. Mulch, & Z. Guo. Cooling, vegetation shift and decline in monsoonal rainfall in NE Tibet through the greenhouse to icehouse transition. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- J. Westerweel, P. Roperch, A. Licht, Zaw Win, F. Poblete, G. Ruffet, Hnin Hnin Swe, Myat Kaithy, Day Wa Aung. The Burma Terrane (Myanmar) as part of a Trans-Tethyan island arc: Evidence from paleomagnetism and geochronology. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- N. Meijer, G. Dupont-Nivet, H. Abels, A. Licht, C. Andermann, N. Barbolini, A. Woutersen, A. Rohrmann, N. Nowaczyk, X. Liu, A. Sakuma, R. Tada, D. Tardif, F. Fluteau, G. Le Hir, and Y. Donnadieu. Central Asian aridification at ~40 Ma revealed by an Eocene dust record, Xining Basin, NE Tibet. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- Z. Wang, Y. Chen, A. Licht & C. Huang. Cyclostratigraphy and magnetostratigraphy of the Middle Miocene Ashigong Formation, Guide Basin, China, and its implications for the paleoclimatic evolution of NE Tibet. *Egu 2019 Meeting*, Vienna, Austria (poster, April 2019)
- M. Mueller, A. Licht, C. Campbell, F. Ocakoglu, M. Taylor, L. Burch, P. Coster, T. Ugrai, M. Kaya, B. Kurtoglu, G. Métais, and K.C. Beard. Post-Collisional Deformation of the Anatolian Orogeny, Turkey: Insights from Geochronology and Sedimentology of the Saricakaya Basin, Western Anatolia. *AGU 2018 Conference meeting*, Washington DC, USA (Poster, December 2018).
- A. Licht, J. Westerweel, P. Roperch, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, T., Ugrai, V. Littell, D. Park, D. Jones, F. Poblete, Day Wa Aung, H. Huang, C. Hoorn, & Kyaing Sein. Lateral translation of the Burma Platelet since the late Cretaceous: An Asian analogue for the Baja-BC hypothesis? *AGU 2018 Conference meeting*, Washington DC, USA (Oral, December 2018).
- J.K. Caves Rugenstein, Kramer S., Ibarra D., Licht A., & Chamberlain P. Geologic Constraints on Hydroclimate Sensitivity from Paleosol Carbonate Stable Isotopes. *AGU 2018 Conference meeting*, Washington DC, USA (Oral, December 2018).
- Poblete, F., Dupont-Nivet G., Licht A., van Hinsbergen D., Roperch P., Guillocheau F., Baby G., Baatsen M., Mapas paleogeográficos a escala global durante el Cenozoico: implicancias para la transición Eoceno-Oligoceno. *XV chillean geological congress*, Concepcion, Chile (Poster, November 2018).
- Dupont-Nivet G, Meijer N, Kaya M, Westerweel J, Tardif D, Barbolini N, Rohrmann A, Aminov J, Licht A, Poblete F, Roperch P, Hoom C, Proust JN, Fluteau F, Donnadieu Y, Guillot S, Guo Z, Aung D. Paleogeographic and paleoenvironmental reconstructions of the India-Asia collision. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- A. Licht, Dupont Nivet G, Win Z, Kaythi M, Swe H, Roperch P, Ugrai T, Littell V, Park D, Westerweel J, Jones D, Poblete F, Wa Aung D, Huang H, Hoom C, Sein K . Cenozoic evolution of the Burmese subduction margin and implications for the history of India-Asia convergence. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- Westerweel J, Roperch P, Licht A, Dupont-Nivet G, Win Z, Poblete F, Huang H, Littell V, Swe H, Kai Thi M, Hoom C, Wa Aung D. First paleomagnetic constraints on the latitudinal displacement of the West Burma block. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- H. Huang, A. Licht, R. Morley, G. Dupont-Nivet, Zaw Win, J. Westerweel, V. Littell, Hnin Hnin Swe, Myat Kaithy, Day Wa Aung, P. Roperch, F. Poblete, Kyaing Sein, P. Jardine, A. Philip, and C. Hoorn. Eocene – Oligocene palynology of the Central Myanmar Basin corroborates monsoonal conditions in south-east Asia. *EPPC 2018 Meeting*, Dublin, Ireland (Poster, August 2018).
- J. Westerweel, P. Roperch, A. Licht, G. Dupont-Nivet, Zaw Win, F. Poblete, H. Huang, V. Littell, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung. First Paleomagnetic Constraints on the Latitudinal Displacement of the West Burma Block. *Castle 2018 meeting*, Chęciny, Poland (oral, June 2018).
- N. Barbolini, G. Dupont-Nivet, H. Ao, N. Meijer, A. Licht, C. Hoorn. Acute Asian cooling across the Eocene–Oligocene transition evidenced by ecosystem restructuring on the Tibetan Plateau. *Egu 2018 Meeting*, Vienna, Austria (oral, April 2018)
- J.K. Caves Rugenstein, S.H. Kramer, D.E. Ibarra, A. Licht, C.P. Chamberlain. Carbon Isotope Evidence for Changes in Cenozoic Mid-Latitude Primary Productivity and Water Use Efficiency. *Egu 2018 Meeting*, Vienna, Austria (oral, April 2018)
- C. Campbell, M. Taylor, A. Licht, M.A. Mueller, A. Moller, F. Ocakoglu, G. Metais, K.C. Beard. Tectonic evolution of the Izmir Ankara Suture Zone in northwest Turkey using zircon U-Pb geochronology and zircon Lu-Hf isotopic tracers. *AGU 2017 Meeting*, New Orleans, USA (oral, December 2017).
- P. Roperch, A. Licht, G. Dupont-Nivet, Zaw Win, F. Poblete, Day Wa Aung, J. Westerweel, Hnin Hnin Swe, Myat Kay Thi. First paleomagnetic constraints on the latitudinal displacement of the west Burma block. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- C. Campbell, M. Taylor, A. Licht, M.A. Mueller, A. Moller, N. McLean, F. Ocakoglu, P. Coster, G. Metais, K.C. Beard. Tectonic evolution of the Izmir Ankara Suture Zone in northwest Turkey using zircon U-Pb geochronology and zircon Lu-Hf isotopic tracers. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- M. Turzewski, K.W. Huntington, and A. Licht. The role of megafloods in shaping the eastern Himalayan syntaxis: insights from the sedimentary provenance of slackwater flood deposits in northeastern India. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- K.C. Beard, G. Metais, P. Coster, F. Ocakoglu, A. Licht, and M. Taylor. Assembly of an endemic island biota on the Eocene Pontide terrane (northern Anatolia): paleogeographic and paleoclimatic implications. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- A. Licht, M. Page, N. Meijer, A.J. Schauer, D. Bajnai, J. Fiebig, A. Mulch, K.W. Huntington, H. Abels, Z. Guo, Z. Lai, G. Dupont-Nivet. Paleogene desertification of central Asia seen through the paleosol record: a tale of clumped isotopes and soil paleoabometry. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- A. Licht, G. Dupont-Nivet, Zaw Win, Virginia Littell, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung, P. Roperch, F. Poblete, H. Huang, C. Hoorn, and Kyaing Sein. Onset of Indian oblique convergence along the Burmese subduction margin recorded in Upper Eocene sedimentary deposits of central Myanmar. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- V. Littell, A. Licht, G. Dupont-Nivet, Zaw Win, A.J. Schauer, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung, P. Roperch, F. Poblete, H. Huang, C. Hoorn, and Kyaing Sein. Paleoclimatic reconstruction of Late Eocene Myanmar via stable isotope proxies. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- M.A. Mueller, A. Licht, C. Campbell, F. Ocakoglu, M. Taylor, L. Burch, P. Coster, G. Metais, and K.C. Beard. Chronology of Suturing and post-collisional deformation of the Anatolian orogeny, Turkey: insights from geochronology and sedimentology of the Saricakaya Basin, Western Anatolia. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- K.C. Beard, G. Metais, A. Licht, P. Coster, F. Ocakoglu, J. Kappelman & M. Taylor. Dispersal of early haplorhine primates by rafting across Tethys: Discovery of an Eocene omomyid from northern Anatolia. *American Association of Physical Anthropologists 2017 Meeting*, New Orleans, USA (oral, April 2017)
- F. Poblete, G. Dupont-Nivet, A. Licht, F. Guillocheau & G. Baby. Preliminary global paleogeographic maps through the Greenhouse-Icehouse transition: forcing of the Drake Passage and Asian Monsoons. *Egu 2017 Meeting*, Vienna, Austria (poster, April 2017)
- N. Meijer, R. Tjallingii, M. Kaya, A. Licht, H. Abels, Y. Zhang, Z. Guo, Z. Lai & G. Dupont-Nivet. Astronomical forcing of Eocene monsoons in terrestrial sediments of the northeastern Tibetan Plateau. *Egu 2017 Meeting*, Vienna, Austria (poster, April 2017)
- S. Botsyun, P. Sepulchre, Y. Donnadieu, C. Risi, J.K. Caves, & A. Licht. Modeling the response of precipitation oxygen stable isotopes to the Eocene climate changes over Asia. *Egu 2017 Meeting*, Vienna, Austria (oral, April 2017)
- G. Dupont-Nivet, A. Licht, A. Bernard, P. Roperch, Zaw Win, J.-J. Jaeger, Day Wa Aung, Myat Kaythi, Hnin Hnin Swe, & F. Poblete. Late Eocene Myanmar tectonics constrained by magnetostratigraphy of the Yaw Formation, Chindwin Basin, Kalewa. *Egu 2017 Meeting*, Vienna, Austria (oral, April 2017)
- K.C. Beard, G. Metais, P. Coster, F. Ocakoglu, A. Licht & M. Taylor. Tethyan island biogeography during the Eocene: a view from northern Anatolia. *SVP 2016 Meeting*, Salt Lake City, USA (oral, October 2016)
- A. Licht, A. Pullen, P. Kapp, J. Abell and D. Giesler. Reworked loess and Yellow River sediment as the main sources of the Chinese Loess Plateau. *EGU 2016 meeting*, Vienna, Australia (poster, April 2016)
- A. Licht, G. Dupont-Nivet, A. Pullen, P. Kapp, H. Abels, J. Abell and D. Giesler. Resilience of Asian Atmospheric circulation revealed by Paleogene dust provenance. *EGU 2016 meeting*, Vienna, Australia (poster, April 2016)
- A. Licht, A. Pullen, P. Kapp, R. Adrians, H. Abels, M. van Kappelle, J. Vandenberghe and G. Dupont-Nivet. Asian Winter monsoons in the Eocene: Evidence from the aeolian dust series of the Xining Basin. *AGU 47th Fall meeting*, San Francisco, USA (poster, December 2014)
- A. Licht, J.B. Ladant, C. France-Lanord, Y. Donnadieu, C. Lécuyer, A. Boura, D. de Franceschi and J.J. Jaeger. Modern-like Indian monsoons in the Eocene: Evidence from the Sedimentary series of Myanmar. *Geological Society of America 2014 meeting*, Vancouver, Canada (oral, October 2014)
- A. Licht, I. Cojan, L. Caner, J.-J. Jaeger & C. France-Lanord. Vers l'élaboration d'un modèle général de variation latérale pédologique dans les dépôts alluviaux, outil stratigraphique

pour les séries fluviatiles. 14^{ème} congrès français de Sédimentologie, Paris, France (oral, November 2013)

- **A. Licht**, G. Hulot, Y. Gallet & E. Thebault. Ensembles of low degree archeomagnetic field models for the past three millennia. *International Association of Geomagnetism and Aeronomy 12th Scientific Assembly*, Merida, Mexico (poster, August 2013)
- A. Boura, **A. Licht** and D. De Franceschi. The Oldest Paleo-Sal Forest? Reconstruction of Myanmar Eocene vegetation. 2nd *International Conference of Agora Paleobotanica*, Arino, Spain (oral, July 2013)
- **A. Licht**, G. Hulot, Y. Gallet & E. Thebault. A_FM, ASD_FM et ASDI_FM, une nouvelle famille de modèles de champ archéomagnétique. *Colloquium of the French paleomagnetists - Paléomagnétisme en France: résultats récents et perspectives*, Paris, France (oral, March 2013)
- **A. Licht**, I. Cojan, L. Caner, J.J. Jaeger & C. France-Lanord. Paleoenvironments of the Burmese Paleogene primates: the late Middle Eocene Pondaung Formation, Myanmar. 2nd *Southeast Asian Gateway Evolution Meeting*, Berlin, Germany (oral, March 2013)
- **A. Licht**, C. France-Lanord, C. Fontaine, Chit Sein, Aung Naing Soe & J.J. Jaeger. Sediment provenance of the Central Myanmar Eocene drainage system: a multi-proxy approach. *AGU 45th Fall meeting*, San Francisco, USA (poster, December 2012)
- **A. Licht**, C. France-Lanord, I. Cojan, Aung Naing Soe & J.-J. Jaeger. Evolution of the depositional systems of central Myanmar: setting apart climatic, tectonic and drainage changes. 1st *colloquium of French Chinese International laboratory on Sediment transport And Landscape DYNamics*, Paris, France (poster, November 2012).
- **A. Licht**, I. Cojan, L. Caner, J.J. Jaeger & C. France-Lanord. Paleosol-landscape associations in alluvial deposits: the Late Middle Eocene Pondaung Formation, Myanmar. *International Association of Sedimentologist, 29th Meeting of Sedimentology*, Schladming, Austria (poster, September 2012)
- **A. Licht**, G. Hulot, Y. Gallet & E. Thebault. On the relevance of alternative low degree archeomagnetic field models. *AGU 44th Fall meeting*, San Francisco, USA (poster, December 2011)

OTHER ACADEMIC ACTIVITIES

Reviewer for peer-reviewed journals: *Nature*, *Science*, *Nature Communications*, *GSA Bulletin*, *Earth and Planetary Science Letters*, *Geology*, *Tectonics*, *Journal of Asian Earth Sciences*, *Geophysical Research Letters*, *Geochemistry Geophysics Geosystems*, *Palaeogeography Palaeoclimatology Palaeoecology*, *Climate of the Past*, *Journal of the Geological Society London*.

Reviewer for funding agencies and institutes: CNRS-INSU (France), Société Géologique de France (France), DFG (Germany), NSF (USA), RRF (USA), PRF (USA), SNF (Switzerland).

Coeditor of special volume *Reaching New Heights: Recent Progress in Paleotopography* for the journal *Frontiers in Earth Science* (2020-2021).

Art & Science project with professional photographer Clément Chapillon, entitled "Dans L'épaisseur du temps".