



# **COST Info Day, Belgrade – Examples of experience**


## **BioBrillouin CA 16124**

### **Dr Tijana Lainović**





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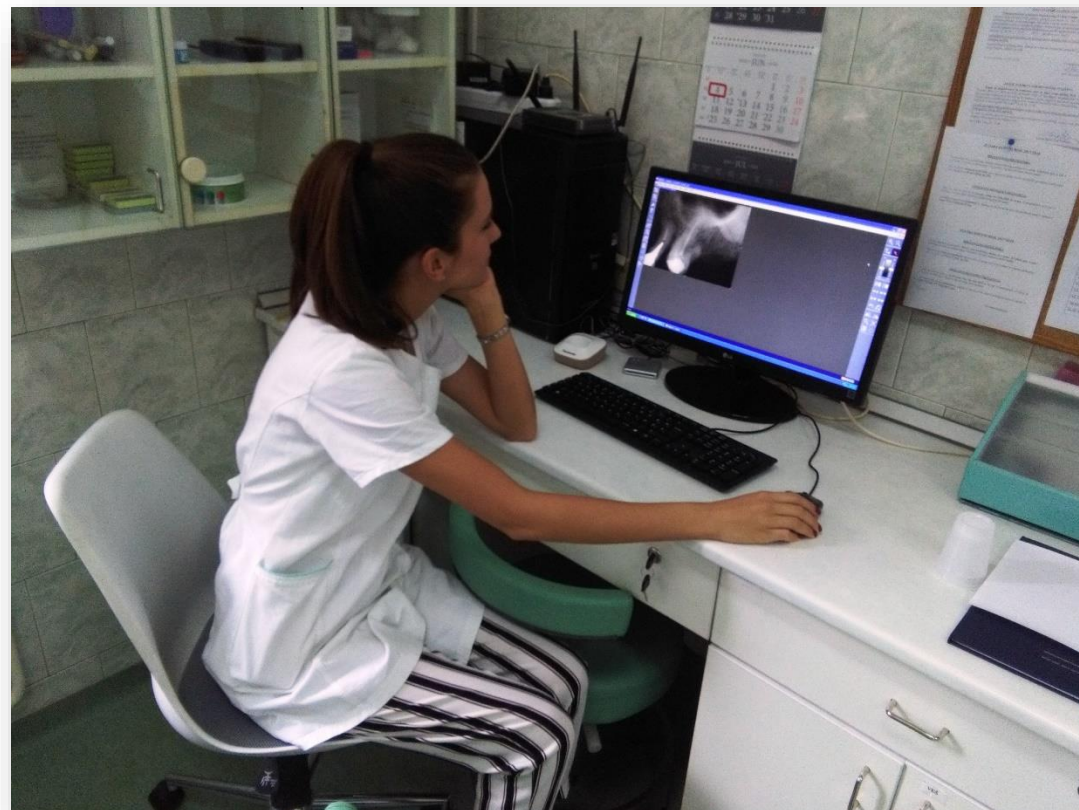
Prof Larisa BLAZIC 

University of Novi Sad, Faculty  
of Medicine  
Hajduk Veljkova 12  
Serbia  
Novi sad

[larisa.blazic@gmail.com](mailto:larisa.blazic@gmail.com)  
[+381216612222](tel:+381216612222)

Participating Actions

CA16124







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Dr Mihailo RABASOVIC ^

Institute of Physics Belgrade  
Pregrevica 118  
Serbia  
Belgrade - Zemun

[mihailo.rabasovic@ipb.ac.rs](mailto:mihailo.rabasovic@ipb.ac.rs)  
[+381112199708](tel:+381112199708)

*Participating Actions*

CA16124

HOLOGRAPHY, OPTICAL  
MATERIALS AND PHOTONIC  
CRYSTAL REASEARCH  
LABORATORY

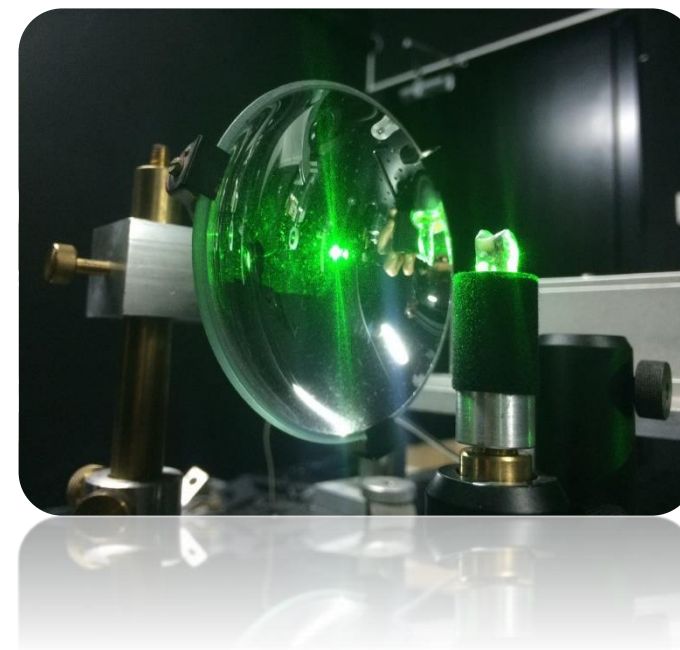
Head: dr. Dejan Pantelic

LABORATORY FOR  
BIOPHYSICS

Head: dr. Aleksandar Krmpot



INSTITUTE OF PHYSICS  
BELGRADE





The screenshot shows the homepage of the BioBrillouin website. The background is a large, abstract image of a building with a grid-like structure. The top navigation bar includes links for News, Events, Multimedia, Publications, Contact us, e-COST, and a search bar. Below this, there are dropdown menus for Who we are, Funding, COST Actions, and Academy. The main heading is "CA16124 - Brillouin Light Scattering Microspectroscopy for Biological and Biomedical Research and Applications". Below the heading is a breadcrumb trail: "Home > Browse Actions > Brillouin Light Scattering Microspectroscopy for Biological and Biomedical Research and Applications". At the bottom left, there is a globe icon followed by the website URL "www.biobrillouin.eu", and icons for Downloads and Team.

 EUROPEAN COOPERATION  
IN SCIENCE & TECHNOLOGY

News Events Multimedia Publications Contact us e-COST Search website... Q

Who we are ▾ Funding ▾ COST Actions ▾ Academy

# CA16124 - Brillouin Light Scattering Microspectroscopy for Biological and Biomedical Research and Applications

Home > Browse Actions > Brillouin Light Scattering Microspectroscopy for Biological and Biomedical Research and Applications

 [www.biobrillouin.eu](http://www.biobrillouin.eu)

 Downloads  Team



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## Dr Bratislav Marinković

+381 11 316 0882  
[ncc-serbia@ipb.ac.rs](mailto:ncc-serbia@ipb.ac.rs)

Research Professor  
University of Belgrade  
Institute of Physics  
118 Pregrevica  
11080 Belgrade  
Serbia



Dr Kareem ELSAYAD

Action Chair

+43664808477110  
[kareem.elsayad@vbcf.ac.at](mailto:kareem.elsayad@vbcf.ac.at)



Dr Mickael PERO

Science officer

+3225333852  
[mickael.pero@cost.eu](mailto:mickael.pero@cost.eu)



Prof Francesca PALOMBO

Action Vice Chair

+441392726612  
[F.Palombo@exeter.ac.uk](mailto:F.Palombo@exeter.ac.uk)



Ms Svetlana VOINOVA

Administrative officer

+3225333848  
[svetlana.voinova@cost.eu](mailto:svetlana.voinova@cost.eu)



Dr Celia Tavares De SOUSA

Science Communications Manager

+31317481832  
[sjerp.devries@wur.nl](mailto:sjerp.devries@wur.nl)







Lainović T, Pantelić D, Rabasović M, Krmpot A, Lazović V, Jelenković B, Blažić L. **Resin-bonded dentin interface analysed by two photon excitation fluorescence microscopy and second harmonic generation.** In: Elsayad, editor, **1st BioBrillouin Meeting**: Abstract book, **EU COST grant** (COST Action CA16124); 2017 September 13th – 15th; Vienna, Austria



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## Work Groups

WG1: Medical & Clinical  
Applications

WG2: Phenotyping &  
Novel Life Science  
Applications

WG3: Instrument  
Design & Data Analysis

WG4: Correlative &  
Comparative Methods

WG5: Outreach &  
Dissemination

Forum

Thomas	Dehoux	University de Lyon 1 Institut Lumière Matière — UMR CNRS 5306	6 rue Ada Byron 69622 Villeurbanne France	MC Member
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Jérémie	Margueritat	University de Lyon 1 Institut Lumière Matière — UMR CNRS 5306	6 rue Ada Byron 69622 Villeurbanne France	MC Member
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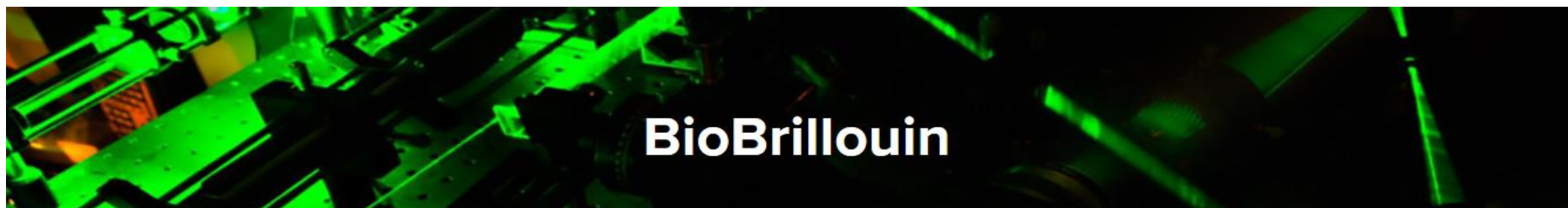
DEHOUX THOMAS



MARGUERITAT JÉRÉMIE



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**Apply for Short Term Scientific Mission (STSM)**

**Call open!**

***What is a Short Term Scientific Mission (STSM)?***

STSMs are Inter-laboratory Exchange visits aimed at strengthening the existing COST Action by allowing scientists to go to an institution or laboratory in another COST country to foster collaboration, to learn a new technique or to take measurements using instruments and/or methods not available in their own institution/laboratory. They are particularly but *not only* intended for Early Career Researchers (defined as having obtained their PhD no more than 8 years prior to the starting date of the STSM).





## Short Term Scientific Mission (STSM)

### *Criteria for eligibility...*

STSM applicants must be engaged in an official research programme as a PhD Student or postdoctoral fellow, or employed by, or affiliated to, an institution, organisation or legal entity which has within its remit a clear association with performing research. The institutions / organisation or legal entity where applicants pursue their main strand of research are considered as Home institutions. The Host institution is the institution / organisation that will host the successful applicant.



## Short Term Scientific Mission (STSM)

### *Organization and payment...*

The COST Association and the Grant Holder of the Action cannot to be considered as being an STSM grantee's employer. STSM grantees must make their own arrangements for all provisions related to personal security, health, taxation, social security and pension matters.

An STSM Grant is a fixed financial contribution which takes into consideration the budget request of the applicant and the outcome of the evaluation of the STSM application. STSM Grants do not necessarily cover all expenses related to undertaking a given mission. A STSM Grant is a contribution to the overall travel, accommodation and meal expenses of the Grantee. Up to a maximum of EUR 160 per day can be afforded for accommodation and meal expenses.

The STSM Grantee has 30 calendar days from the end date of the mission to submit a scientific report to the STSM Coordinator and to a senior researcher affiliated with the Host institution.

Payment of the Grant is subject to a scientific report being approved on behalf of the Action by the STSM coordinator and by a senior researcher affiliated with the host institution.



## Short Term Scientific Mission (STSM)

Specific provisions have been introduced to enable researchers from Inclusiveness Target Countries (ITCs) participating in the COST Action to request the pre-payment of 50% of their STSM Grant when they complete the first day of their STSM. In such cases, the Host must confirm by email to the Grant Holder that the STSM applicant has officially started the mission on day 1. Only then the Grant Holder can arrange for the payment of 50% of the STSM grant. The remaining 50% of the Grant is payable once the administrative requirements have been satisfied after the STSM as described above.





## Short Term Scientific Mission (STSM)

### *How is it decided who is granted STSM funding?*

STSM's will be selected based on an independent assessment by a panel of 4 reviewers chaired by the STSM Coordinator, and also include the Host Scientist. Relevant Work Group leaders may also be consulted if needed in the decision making. Applications will be evaluated in each case based on the following criteria:

- 1) *Relevance to the BioBrillouin Action Goals (1-5) [minimum 2.5 on average to be eligible]*
- 2) *Relevance to advancing the current state of the field / would the visit be useful to the applicant / is the planned project realistic (1-5) [minimum 2.5 on average to be eligible]*
- 3) *Is the Applicant or Host based in an Inclusiveness Target Country (ITC)? (1 or 0)*
- 4) *Does the application promote gender equality? (1 or 0)*
- 5) *Is the Applicant an Early Career Researcher? (ECR) (1 or 0)*

## VISITOR



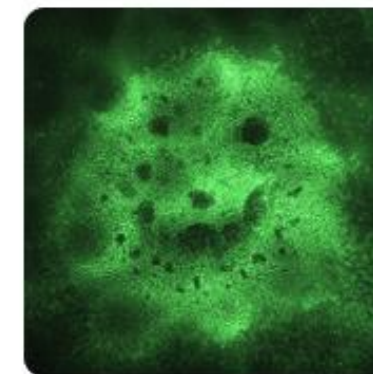
**Tijana Lainović**

As a dentist, and a postdoctoral research fellow from the Faculty of Medicine, School of Dentistry, Novi Sad, Serbia, I study the morphology of dental tissues with the team of researchers from the Institute of Physics Belgrade. In collaboration with the Biophysics and SOPRANO teams, I investigate the mechanical properties of dental tissues using Brillouin spectroscopy.

*tijana.lainovic\_AT\_gmail.com*

DEHOUX THOMAS

MARGUERITAT JÉRÉMIE



**Biophysique**

J. P. RIEU

**Short Term Scientific Mission (STSM)**

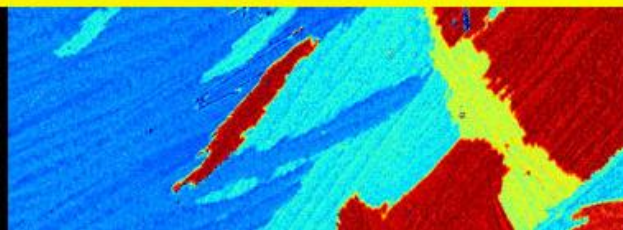


## Short Term Scientific Mission (STSM) :Results

IOP Institute of Physics

**Laser Ultrasonics 2018**

9–13 July 2018, University of Nottingham, Nottingham, UK



Invited talk at the 6th  
international symposium on  
laser ultrasonics  
July 2018

Lainović T, Margueritat J, Blažić L, Dehoux T. **Mapping micro-mechanical properties of dentin tissues with Brillouin spectroscopy.** In: IOP Physical Acoustics Group, editor. Laser Ultrasonics 2018: Abstract Book; 2018 July 9-13; University of Nottingham, Nottingham, UK



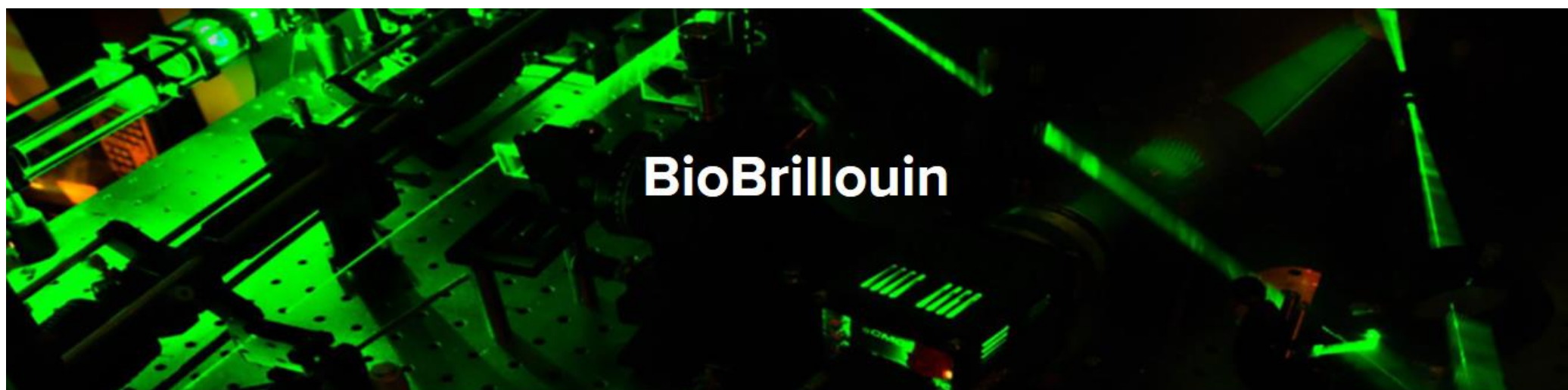
## Short Term Scientific Mission (STSM) :Results



Lainović T, Margueritat J, Blažić L, Dehoux T. **Mapping mechanical properties of tooth tissues and material-dentin interfaces by Brillouin spectroscopy**. In: Advances in Brillouin Light Scattering 2018: Abstract Book; 2018 September 11-14; Perugia, Italy



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[Home](#) » [News](#) » Applications are opened for the 2nd Training School “Brillouin imaging for life sciences” held in Lyon, France

Applications are opened for the 2nd Training School “Brillouin imaging  
for life sciences” held in Lyon, France

Training School days: 23-25th January 2019

Application deadline: 1st December 2018



# Training school on Brillouin imaging for life sciences

23-25 January 2019  
Institute for Light and Matter, Lyon France







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## Short Term Scientific Mission (STSM) :Results

  
**SPIE. PHOTONICS  
WEST**

**5 - 7 February 2019**

The Moscone Center San Francisco, California, US



## Apply for ITC Conference Grant

### Call Open!

#### What is an “Inclusiveness Target Countries” (ITC) Conference Grant?

ITC conference grants provide financial support for students and Early Career Investigators based in ITC countries to travel and present at conferences relevant to the BioBrillouin COST Action.

#### *Am I eligible?*

- You must be a PhD Student or an Early Career Investigator (ECI) (no more than 8 years from the date you obtained your PhD/doctorate).
- The institution you are affiliated with/employed by is based in an ITC country. The following countries are considered ITC: *Bosnia-Herzegovina, Bulgaria, Cyprus, Czech Republic, Estonia, Croatia, Hungary, Lithuania, Latvia, Luxembourg, Malta, Montenegro, Poland, Portugal, Romania, Slovenia, Slovakia, the former Yugoslav Republic of Macedonia, Republic of Serbia and Turkey.*



## ITC Conference Grant

### *How much and what does the grant fund?*

A Conference Grant is a fixed financial contribution which takes into consideration the budget request of the applicant and the outcome of the evaluation by the review panel.

Conference Grants do not necessarily cover all of the expenses related to participating in a given conference and should be considered as a contribution to the overall travel, accommodation and meal expenses of the selected Grantee.

The calculation of the financial contribution for each Conference Grant must respect the following criteria:

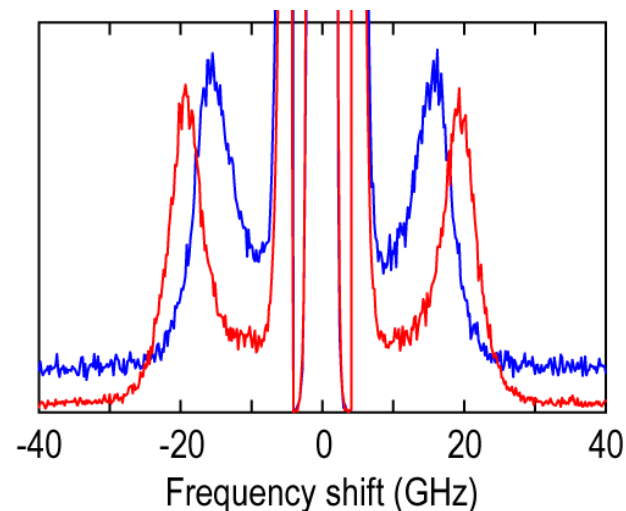
- Up to a maximum of EUR 2500 in total can be afforded to each successful applicant;
- Up to a maximum of EUR 160 per day can be afforded for accommodation and meal expenses.
- Up to a maximum of EUR 500 can be claimed for the conference fees to be incurred by the selected Grantee.





## ITC Conference Grant

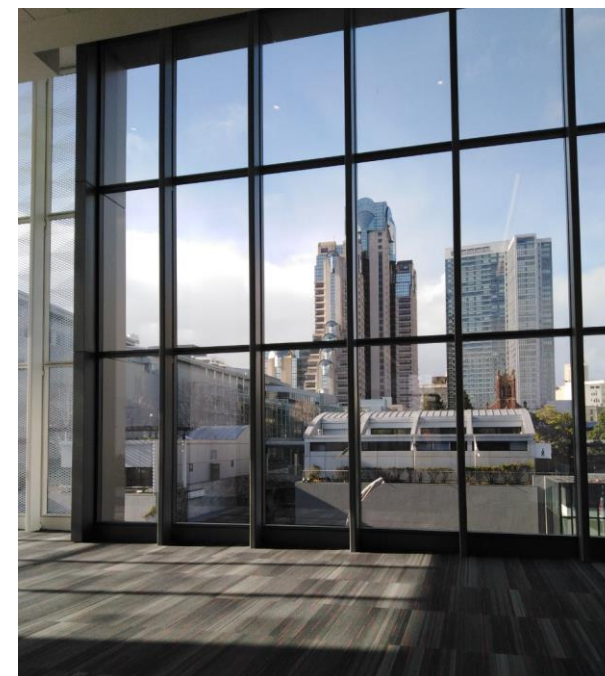
**SPIE.** **PHOTONICS**  
**WEST**  
**BIOS**



Lainović T, Margueritat J, Blažić L, Pantelić D, Rabasović M, Krmpot A, Dehoux T. **Mapping mechanical properties and structure of dentin by Brillouin spectroscopy and nonlinear optical microscopy.** In: Kiril V. Larin and Guliano Scarcelli, Optical Elastography and Tissue Biomechanics VI (10880 conferece) in SPIE Photonics West, BiOS; 2019 2-7 February; San Francisco, USA



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**ITC Conference Grant**



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## DECISION

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Subject: Memorandum of Understanding for the implementation of the COST Action  
“Brillouin Light Scattering Microspectroscopy for Biological and Biomedical  
Research and Applications” (BioBrillouin) CA16124

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## Future directions:

Establish a multidisciplinary research network that will lead to a cooperative action for developing, preparing and submitting proposals for Horizon2020 and other collaborative international and EC joint initiatives. Promote grant applications such as Marie Curie Actions to fund research projects connected to this network and to train the next generation of BLSS researchers.





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**On behalf of our reaserch teams...**

I express our great gratitude to:

**The COST Association**

**BioBrillouin COST Action (CA 16124)**

**Action Chair: Kareem Elsayad**

**National COST Coordinator: Dr Bratislav Marinković**

**MC for Serbia: prof. dr Larisa Blažić**

**MC for France and WG leader: Thomas Dehoux**

**MC for France: - Jérémie Margureitat**