Information for authors.

The abstract is limited to 300 words.

To submit a new abstract, please to refer to the following instruction.

STEP 1 : To submit a new abstract, click on « Submit » in the menu at left.

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Living and cold light for a sustainable t	Vorld 28-31 May 2018   NANTES, FRANCE
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MAIN MENU	201H INTERNATIONAL SYMPOSIUM ON BIOLUMINESCENCE AND CHEMILUMINESCENCE.
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Planning	WELCOME IN
International Scientific Committee	NANTES!
Topics	A A A A A A A A A A A A A A A A A A A
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Travel to Nantes	
Discover La Cité Nantes Events Center	Living and cold light for a sustainable world.
Accommodation and catering	Welcome to ISRC 2018
Tourism information	On behalf of the International Society for Bioluminescence and Chemiluminescence. its president Vadim Viviani and
Gallery	the ISBC Council, it is a great honor for me to organize the ISBC 2018 meeting in Nantes, FRANCE.
	2018 will be the 20th anniversary of the symposium ISBC (International Symposium for Bioluminescence and Chemiluminescence).
HELP	This peculiar event will remain the best place to be for researchers from the chemiluminescence and bioluminescence
@ Contact	communities but the organizers would like to open to other communities using the bio-chemiluminescence as end- user.
	This ISBC 2018 symposium would be the open to : - The current community of researchers on chemiluminescence - The current community of researchers on bioluminescence - The community applying both reporting signals to biosensor, bioassays (enzymes, cells,) in different field with true in the field anolications

## STEP 2 :

- You already have an account => connect you.
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Symposium on		
Bioluminescence & Chemiluminescence		<b>ISBC</b>
Living and cold light for a		International Society for
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## STEP 3: Click on « Submissions « in the menu « MY SPACE ».

## STEP 4: Click on « Submit an abstract ».

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- 2. Text of abstract (300 words max. ). A word counter is available (green arrow)
- 3. Select the wished type of communication (Oral (20 min) / poster / Oral spotlight)
- 4. Choose themes that you that may apply to your proposal.
- 5. Indicate relevant keywords, using a semicolon to separate keywords.

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My Space	BL4. Luminous mushroom: Chemistry, Biochemistry, and Bioversity
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Register	conference website.

STEP 6: Complete the authors list. All authors must be add individually. To add an author, first click on "Add an author" and fill in the form, secondly click on "Add an affiliation" and enter the details of the author's institution(s).

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STEP 7: It is possible to add supplementary data. This step is optional.

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STEP 8: The last step is an overview of the overall procedure of deposition.

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nternational Scientific Committee	sciencesconf.org/isbc-2018/179136
opics	
jubmit	BIOLOGICAL METHOD FOR THE MONITORING OF
Registration information	HEAVY METALS IN WATER : DEVELOPMENT OF
Registration	DECISION TREES WITH AN ARRAY OF FIVE BACTERIAL
Deadlines	STRAINS INCLUDED IN A BIOSENSOR
Exhibition & sponsorship	Sulivan Jouanneau 1, *, @
Sponsors	1 : Jouanneau PRES Université Nantes Angers Le Mans [UNAM] : UMR6144 * : Carresnondine author
Fravel to Nantes	Monitoring arrivonmental pollution useds the development of ranid and chean mathods. Among them instarial biolominescent biosensors
Discover La Cité Nantes Events Center	are analytical devices which could be easily used for this purpose. Bioluminescence coded by the <i>lux CDABE</i> genes is the light produced by some natural bacteria. Application of reporter gene technology led to the development of specific bioluminescent bacteria by insertion of <i>lux</i> genes promoterless down-stream to a pollutant-responsive gene. Following this concept, in order to detect heavy metals pollution we have developed five engineered bacteria the bioluminescence of which increases with the presence of metals.
Accommodation and catering	In a first step we evaluated the specificity and the sensitivity of the strains for the detection of metals in water and contaminated food. We
ourism information	studied the response of these strains to a mixture of metals in order to assess synergistic, additive or antagonist effects in these samples. A statistical model based on several decision trees of CHAID type (Chi souared Automatic Interaction Detector) was designed in order to
Gallery	analyse the complex set of bioluminescence responses of the five strains. The results shown that the presence of cadmium, mercury, copper and arsenic could be detected in the samples with a success of 98% and their concentrations could be determined in 90% of the occurrence.
MY SPACE	bioluminescence analysis. This biosensor will be devoted to the on line monitoring of heavy metals pollution.
My Space	Subject · · · Oral (70 min)
Submircianc	Topics : EIOS4. Whole-cell bioreporters in environmental monitoring
2001112210112	Keywords : biosensor ; bioluminescence ; bacteria ; heavy metals ; detection
Register	PDF version : <u>PDF version</u>

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