1. Adoption of agenda
2. Progress report of COST Actions year 2013
   - COST meetings and joint meetings with other Initiatives.
   - Training School: “Photonics meet Biology”
   - STSMs
3. Budget & actions / Workplan 2013 (AS Salvetat)
   - Summary of the expenses for each action (meetings, STSM)
   - Submission of an additional grant: Top-up
4. Publications, dissemination and outreach activities (meeting with Open Source & Open Access Initiatives)
5. Promotion of gender balance and of Early Stage Researchers (ESR)
6. Action planning & preparation of the Budget Workplan 2014
   6.1 Action Budget Planning (Grant manager Anne Sophie Salvetat)
   6.2 Action Planning (including meetings)
      6.2.1 Location and date of next meetings
      6.2.2 Location and date of the 2nd Training School (in St Malo Fr)
      6.2.3 Final Bioinspired Nanotech TD1003 Conference
7. STSM applications (GM AS Salvetat) Boosting collab in last year 14
8. Next Step Beyond TD1003
9. Closing

Leipzig Germany Oct_8-9
<table>
<thead>
<tr>
<th>Participants</th>
<th>Country</th>
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<tbody>
<tr>
<td>Tibor Hianik</td>
<td>Slovakia</td>
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<tr>
<td>Alex Bittner</td>
<td>Spain</td>
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<tr>
<td>Peter Crowley</td>
<td>Ireland</td>
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<tr>
<td>Maria Minunni</td>
<td>Italy</td>
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<td>Giuseppe Spoto</td>
<td>Italy</td>
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<td>Sotiria Psoma</td>
<td>Greece</td>
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<td>Tony Turner</td>
<td>Sweden</td>
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<tr>
<td>Beate Strehlitz</td>
<td>Germany</td>
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<td>Fred Lisdat</td>
<td>Germany</td>
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<td>Jean-Pierre Aimé</td>
<td>France</td>
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8 countries, the quorum is not reached (14)
“Biomimetic structures and DNA technology in biosensing”, April 8-10, 2013, Bratislava, Slovakia

Tibor Hianik COMENIUS UNIVERSITY

-6 invited plenary lectures
-18 short oral presentations
-13 posters
-3 of 6 speakers were external experts that do not belong to the COST action
- The workshop has been attended by 70 participants from 15 countries
Joint Meetings: One Day Session in Sitges (Spain) after 3rd BioSensing Technology Conference

- 119 participants, 28 countries
- 16 reimbursed by the Action (13 members / 3 non-COST, 2ESR) + LOS
- 31 scientific contributions (2 plenary lectures, 12 oral communications, 17 posters)

- Topics: « opportunities of Oligonucleotide Analogs as Advanced Molecular Probes in Genosensing », affinity based sensing, nucleic acids or molecular imprinted-based approaches, protein-based approaches (immobilized on different supports i.e. contact lens to develop optical immunosensors or embryos billipid cellular membrane for embryo labelling), « Aptamers, Clever Oligonucleotides for Bio-Sensing » and composite materia and microfabrication for developing protein-based sensing.
Joint Meetings: One-Day Session during E-MRS fall meeting in Warsaw

- 20 Participants

- 18 reimbursed by the Action (all members but one, 4 ESR)

- 48 scientific contributions: 9 Keynote Lectures, 10 Invited Presentations, 19 Poster Presentations, 10 Young Researchers Presentations

- Session: Biomimetic, Bioinspired Biomedical Nanomaterials and Implantable Nano-devices, -systems: R & D

- Poster session: Innovative Biomedical Nano-materials, -systems: nanotechnologies and functions
**School “Photonics meet Biology” (Crete Oct 2013_Maria Farsari)**

(http://www.iesl.forth.gr/users/farsari/index_files/school.htm)

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday 30/9</th>
<th>Tuesday 1/10</th>
<th>Wednesday 2/10</th>
<th>Thursday 3/10</th>
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<tbody>
<tr>
<td>8:30-9:00</td>
<td>Registration</td>
<td>Yannis Missirlis</td>
<td>Sergey Sokolovskii</td>
<td>Paras N. Prasad</td>
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<td>9:30-10:30</td>
<td>Paras N. Prasad</td>
<td>Protein Cages as tools to</td>
<td>Recent Progress in Biophotonics</td>
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<td>Introduction to</td>
<td>direct the Optical Properties</td>
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<td>Biophotonics</td>
<td>of Nano-Materials</td>
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<td>10:30-11:00</td>
<td>Dario Polli</td>
<td>Adnen Mlayah</td>
<td>Arunas Krotkus</td>
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<td>Primary photoinduced</td>
<td>Metal nanoparticle-based</td>
<td>New terahertz technologies and</td>
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<td>events in biomolecules</td>
<td>plasmonics for cancer</td>
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<td>studied by tunable</td>
<td>therapy</td>
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<td>few-optical-cycle</td>
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<td>light pulses</td>
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<td>11:00-12:00</td>
<td>Natalia Bulgakova</td>
<td>Valdis Paskevicius</td>
<td>Pablo Loza-Alvarez</td>
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<td>Basis of fluorescence</td>
<td>Nonlinear optical methods in</td>
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<td>Workshop on Biophotonics</td>
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<td>biophotonics</td>
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<td>photodynamic therapy</td>
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<td>12:00-13:00</td>
<td>and cancer</td>
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<td>13:00-14:00</td>
<td>Andrei Rode</td>
<td>Andrei Rode</td>
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<td>Laser Beam Shaping</td>
<td>X-ray morphology of</td>
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<td>biomolecules, proteins and</td>
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<td>viruses with Free Electron</td>
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<td>Laser</td>
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<td>14:00-16:00</td>
<td>Andrei Rode</td>
<td>Poster Session</td>
<td>Peter Andersen</td>
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<td>From Multiphotonics To</td>
<td>Optical Coherence Tomography</td>
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<td>Design Of Ultrabright</td>
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<td>Molecular-Based Nanoparticles</td>
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<td>For Bioimaging</td>
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<td>16:00-17:00</td>
<td>Mireille Blanchard-D</td>
<td>Poster Session</td>
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<td>Peter Andersen</td>
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<td>Design Of Ultrabright Molecular-Based Nanoparticles For Bioimaging</td>
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<td>17:00-17:30</td>
<td>Coffee</td>
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<td>Workshop on Biophotonics</td>
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<td>17:30-18:30</td>
<td>Mihai Pascu</td>
<td>Jurriaan Zwier</td>
<td>Graeme Malcolm</td>
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<td>Laser Optofluidics</td>
<td>Screening technologies to</td>
<td>New lasers in biology</td>
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<td>in Fighting MDR</td>
<td>monitor G-protein coupled</td>
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<td>MDR</td>
<td>receptor activation</td>
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<td>18:30-19:30</td>
<td>Grigorii Sokolovskii</td>
<td>School Dinner</td>
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Training School: “Photonics meet Biology”
(Crete, Oct 2013, organizer Maria Farsari)

- 60 attendees

- Many pedagogical Conferences providing a very good overview of the Photonic Field (but not only). A school perfectly fitting the Trans Domain objectives. (http://www.iesl.forth.gr/users/farsari/index_files/school.htm)
Action Budget Planning
(Grant manager Anne Sophie Salvetat)

- 2013 Total expenditure: 134 400 €
- Science expenditure: 116 871 €
  - 5 Workshops/meetings (2 with MC meetings) + 1 WG meeting
  - 1 training school
  - 6 STSM so far (possibility of 4 more)
  - dissemination (website maintenance)

- FSAC: 17 529 €

- 2\textsuperscript{nd} instalment from the COST Office, top-up of 13 k€
STSM
(Grant manager Anne Sophie Salvetat)

- Whenever during the year workplan, COST members can apply.

- Applicants submit application online (https://e-services.cost.eu/stsm) and send all documents to STSM Coordinator, MC Chair, Grant Holder

- Assessment by the MC / selection / send info to Grant Holder

- Grant Holder (Anne Sophie Salvetat) sends “grant letter” to applicants

- 2013: 6 done (5 paid, 1 to be paid)

- There is still room for others
Dissemination Outreach...

October 15 in Brussels meeting with EU non profit organizations and Open Access Spin off.

- La Paillasse - Paris (http://www.lapaillasse.org) Thomas Landrain
- Biologigaragen - Copenhagen (http://biologigaragen.org/)
- Waag Open WetLab - Amsterdam (http://waag.org/en/lab/open-wetlab)
- MadLab - Manchester - (http://diybio.madlab.org.uk/)
- DIYbio Namur - Namur, Belgium (http://www.diybio.be/)
- Pavillon 35 - Vienna (http://pavillon35.polycinease.com)
- Sample of Science Spin Off Horiba.https://www.sampleofscience.net/

- Main objective is to find a way to disseminate and inform upon the fast Development in nanobiotech: BioInspired methods and Synthetic Biology,
- training peoples with simple affordable experiment.
- getting information from the “Open” initiatives.
Promotion of gender balance and of Early Stage Researchers.

Maria Minunni organizes the meeting in Sitges (Barcelona May 2013)

Maria Farsari organizes the training school in Crete (October 2013). ([http://www.iesl.forth.gr/users/farsari/index_files/school.htm](http://www.iesl.forth.gr/users/farsari/index_files/school.htm))

Beate Strehlitz & Fred Lisdat organize the meeting in Leipzig (October 2013)

Guiseppe Spoto & Maria Minunni organize the meeting in Catania (2014)

Franck Artzner & Maité Paternostre organizes the school (2014) “Weak interactions in/ and BioInspired self Assemblies “

ÉSR : More than half participants in the school « Photons meet Biology »
Last Grant Period (1/2/14 – 1/11/14):
Workshops/Conferences/Schools proposals

1) Workshop with MC meeting, Catania (Sicily), May 2014, organized by Giuseppe Spoto & Maria Minunni
Integrated approaches for biomolecular detection: nanostructures, biosensors and lab-on-chip devices

- Venue: Scuola Superiore di Catania - Università degli Studi di Catania
- Topics: Nanostructures and molecular assemblies, Biosensing, Integrated devices and microfluidics
- A detailed description is available

http://www.bioinspired-nano.eu/en/
Last Grant Period (1/2/14 – 1/11/14): Workshops/Conferences/Schools proposals

2) Regional Biophysics Conference
May 15-20, 2014, Smolenice Castle, Slovakia
One day session: "Bioinspired nanotechnologies and biosensors"
Organizer: Tibor Hianik

http://www.kcs.molenice.sav.sk/
Last Grant Period (1/2/14 – 1/11/14): Workshops/Conferences/Schools proposals

3) Training School

- Weak interactions in/and BioInspired self Assemblies

Saint Malo (France) September 2014
organizers Franck Arztner & Maité Paternostre
2014

1) STSM the last year, the last opportunity to create or improve collaboration.

2) A general conference: date & location.

3) Two months ahead to fix other events for the budget work plan 2014.

Web news
Webmaster Anne Sophie Salvetat

Highlight news, events and works from COST members and others
Next Step: Proposal of a New TD Action?

Instrumentation & conception and fabrication of nanostructured materials.
Heraklion & School Photons meet Bio (2012-2013)
NanoSwec (2011)
Engineering DNA, peptides & proteins.
Bratislava (2013)
« Biomimetic structures and DNA technology in biosensing”
Leipzig October 2013
« Nano-scaled arrangements of proteins, aptamers and other nucleic acid structures – and their potential applications »
NanoSWEC (2011)
BioSensing and nanofab-nanodevices
-Linköping (2012)
-Sitges (2013)
Next Step: Proposal for a New TD Action?

a- dedicated materials & devices to specific targets,
b- increasing Overlap with techno-centre,
c- Instrumentations,
d- Applications,

Seeking for overlap with other domains?