

# DELIVERABLE

## D4.1

### Report on organization of Training Schools



**Grant Agreement number: 642861**

Project acronym: BioSmartTrainee

Project title: Training in Bio-Inspired Design of Smart Adhesive Materials

Funding Scheme: MSCA-ITN-2014-ETN

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Project website address: [www.biosmartrainee.eu](http://www.biosmartrainee.eu)

Related to a reporting period: RP 1

Milestone no./name: MS 2 (TS 1 – 1<sup>st</sup> Training School), MS 3 (TS 2 – 2<sup>nd</sup> Training School), MS 6 (TS 3 – 3<sup>th</sup> Training School), MS 9 (TS 4 – 4<sup>th</sup> Training School)

Lead beneficiary: WU

Nature: Report

Dissemination Level: Public

Delivery date from Annex I: month 6 (March 31, 2016)

The training programme of BioSmartTrainee is based on five elements of which the training schools are the fourth element.

As stated in the original proposal, we plan to have four training schools.

During the kick-off meeting of the BioSmartTrainee project (October 2015) we proposed to **change the dates of the training schools**. The main reason for these changes is the fact that approx. 4 from 11 ESRs will not start before September 2016, which is 6 months later than anticipated. This delayed start is caused by the long application process to find qualified PhD candidates. In addition, ICI could only start its application procedure at the end of January 2016 after getting the official approval from AkzoNobel to change the beneficiary in the network.

A second change is the **lead institution that organizes the first training school**: this changed from IPF to INM/UPATRAS and the second training school from MPIP to IPF. The changes in dates and the affiliation change of Dr. A. del Campo (from MPIP to INM) are the reasons for this. Moreover, the partners agreed that the first Training School should take place at the institution of the three research WP-leaders in addition to UPATRAS and one industrial partner.

**The content and the number of training schools that will be organized are not changed.** In Table 1 the changes are indicated in red.

Table 1: Intended dates for training schools

Training School	Original date	New date	Original lead institution	New lead institution
TS1 Adhesion	Month 6	Month 12	IPF	INM/UPATRAS
TS2 Adhesion	Month 12	Month 18	MPIP	IPF
TS3 Adhesion	Month 24	Month 24	CNRS	CNRS
TS4 Adhesion	Month 42	Month 36	BASF	BASF

The preliminary program of TS 1 is indicated in Table 2.

Table 2: Preliminary program TS1

<b>DRAFT AGENDA TRAINING SCHOOL 1:</b>		
<b>14th of September 2016</b>		
<u>Session I : Challenges and Fundamentals</u>		
9:00 – 9:10	Welcome and network overview	A Synytska
9:10 – 10:00	Challenges in adhesion science and technology	C Creton
10:00 – 11:00	Adhesion – Physical Parameters	R Bennewitz
Break		
11:30 – 13:00	Research projects description by ESRs	ESRs
Lunch		
<u>Session II : Basic Chemistries</u>		
14 :30 - 15 :30	Adhesive polymers and chemistries	A del Campo
15 :30 - 16 :30	Adhesive formulation and surface conditioning	C Becker-Willinger
16 :30 - 17 :10	Research projects description by ESRs	ESRs

<b>15th of September 2016</b>		
<u>Session III : Novel concepts in adhesive chemistries</u>		
9 :00 – 10 :00	Dynamic and weak bonds	D Hourdet
10 :00 -11 :00	Bioinspired bonding underwater	M Kamperman
Break		
11 :15 - 12 :00	Another novel concept in adhesive chemistry	
12 :00 - 13 :00	Research projects description by ESRs	ESRs
Lunch		
<u>Session IV : Adhesion Testing</u>		
14 :30-15 :30	Methods for measuring adhesion : lab tests	A Chiche
15 :30 – 16 :30	Methods for measuring adhesion : industry tests	BASF
16 :30 – 17 :30	Measuring adhesion : micro/nanoscale tests	A Synytska

The program of TS2- TS4 has not planned in detail yet. The themes of those TSs are listed in Table 3.

Table 3: Themes training schools

TS2	Biometric stimuli-responsive polymer surfaces and interfaces: Material design
TS3	Adhesion and (fluid)mechanics: Fundamental aspects and applications
TS4	Industrial focus: technology transfer from research into innovative products

The more detailed program of TS2 will be discussed in the next telephone conference meeting that is planned for June 2016.