



Deliverable 1.1

Creation of project website

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1 Table of contents

1	<i>Table of contents</i>	2
2	<i>Summary of Deliverable</i>	3
2.1	Background	3
2.2	Goal	3
3	<i>Description of work</i>	4
3.1	Website content	4
3.2	Social media channels	10
4	<i>Future plans</i>	11
5	<i>Annexes</i>	12

2 Summary of Deliverable

2.1 Background

The creation of the project website is a part of WP1 (Management WP). The project website acts as the main communication channel about the project and its achievements.

2.2 Goal

The MULTIMOT website constitutes a key communication tool to increase project visibility and impact towards the research community and the general public.

The website was launched at M3 at the www.multimot.org URL. The site contains all relevant information about the project and related topics (objectives, news, event announcements, public reports, analysis, links to related initiatives/projects) (see *Description of work* section below for details).

The main objective of the website is to spread knowledge and insight about the project, its goals, and its results to anyone interested, and to attract attention to the project's activities.

The website also provides insight into the organization of the MULTIMOT consortium and the project's planning, with quick access to the list of deliverables and an overview of the work packages.

3 Description of work

The website, registered at www.multimot.org has been created and edited in the www.wordpress.com platform for ease of management and maintenance. The below sections describe in more detail the website content, and its links to the MULTIMOT social media channels.

3.1 Website content

The MULTIMOT website is divided into several pages, each of which is described in more detailed below.

Main page

The main page ('About') provides an overview of the project as a whole, describing the main objectives of MULTIMOT (**Figure 1**) and featuring a schematic overview of the project (**Figure 2**).

Partners

The 'Partners' page provides a list of all the MULTIMOT consortium participants. For each participant, a dedicated page has been set up with a short participant profile, the participant logo, and a link to the participant's own website (**Figure 3**)

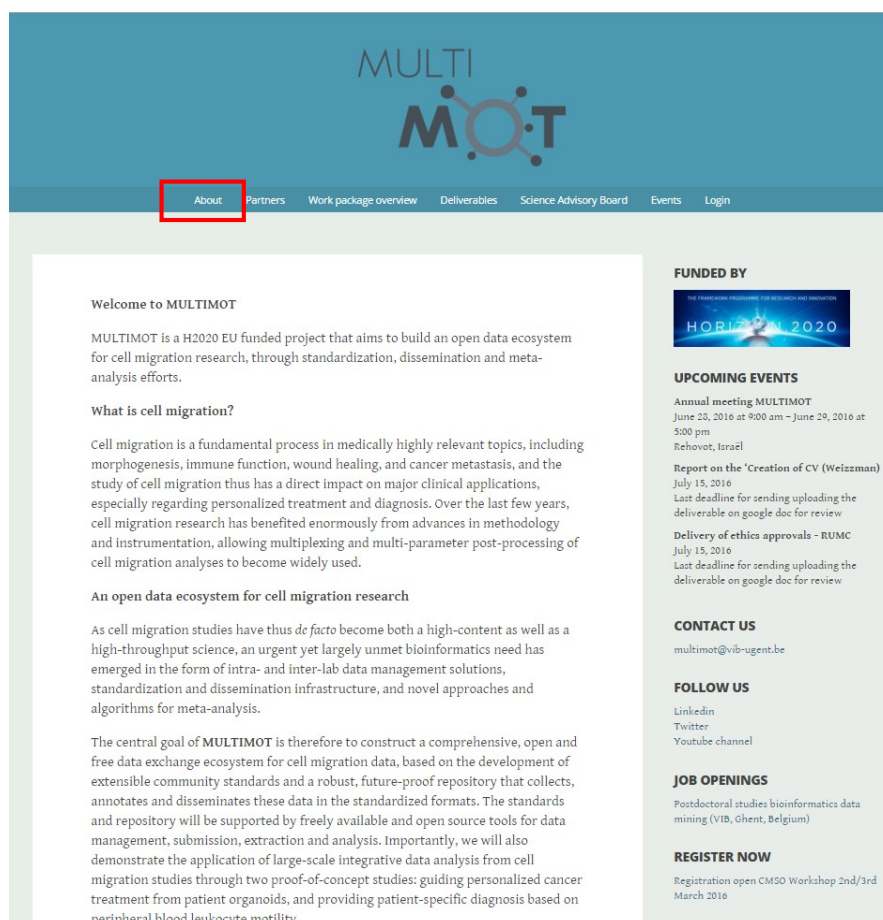


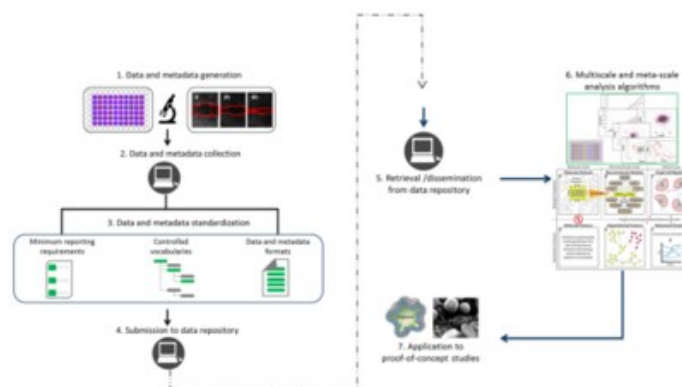
Figure 1: Main page of the MULTIMOT website.

Overview on MULTIMOT

The following figure shows an overview of MULTIMOT.

Data and metadata associated with cell migration experiments are generated (1). Software is used to analyze and interpret the resulting data and associated metadata (2). The collected data will be formatted and reported in the relevant standards to enable data and metadata reproduction, verification, and exchange: minimum reporting requirements will specify the core information to be supplied through the software tool; controlled vocabularies (CVs) will be used to unambiguously annotate such units of information; and the data will be exported using data and metadata standard formats. Fully standards compliant cell migration data sets will then be submitted to (4), and subsequently disseminated from (5), a global data repository, which will constitute the centerpiece of the open data sharing ecosystem. This will in turn enable the reuse of public cell migration data (6), including multiscale and meta-scale analyses across large scale experiments, ultimately unlocking new knowledge in the field through proof-of-concept-studies (7).

Further information can be found in *Masuzzo et al., 2015*.



Share this:

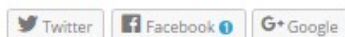


Figure 2: Schematic overview of MULTIMOT in the main page of the website.

Partners

- VIB
- Weizmann Institute of Science
- Ghent University
- Radboud University Medical Center
- Karolinska Institutet
- University of Oxford
- University of Dundee
- The Francis Crick Institute
- Universität Duisburg-Essen
- Idea Bio-Medical

VIB

VIB is a top class center of excellence with more than 1200 researchers and technicians involved in 74 research groups, carrying out research in the frontline of life science. Prof. Dr. Lennart Martens, leader of the VIB Computational Omics and Systems Biology group, has been responsible for the original inception and implementation of PRIDE repository at EMBL-EBI, and has also led the first years of further development of PRIDE at EMBL-EBI. During this time, the PRIDE repository firmly established itself as the world-leading repository for mass spectrometry based proteomics data. The CompOmics group has also contributed substantially to the development of standard formats and related software libraries in this field over the past several years through highly active roles in the Human Proteome Organisation's Proteomics Standards Initiative.

VIB will coordinate the project, and contribute to all of the work packages. It will moreover lead project management WP1, the outreach and dissemination WP7, and finally WP2 for the creation of relevant standards for cell migration data and metadata.

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THE FRANCIS CRICK INSTITUTE

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seeing better

Figure 3: Partners page with as inset an example of a participant description.

Work package overview

This page lists all the work packages (WPs) of MULTIMOT, with a schematic overview of the interplay between these WPs. Each WP is linked to a full description, as shown for WP1 in **Figure 4**.

Deliverables

This page holds a table that lists the deliverables of the project (**Figure 5**). For each deliverable, the following properties are reported: the WP this deliverable belongs to, the lead beneficiary responsible for this deliverable, the type and dissemination level, and the due date in months. The 'Delivered' column will be checked once a deliverable has been submitted, and the corresponding report will also be linked from this table after acceptance if the dissemination level is public (which is always the case for all MULTIMOT deliverables).

[About](#)
[Partners](#)
[Work package overview](#)
[Deliverables](#)
[Science Advisory Board](#)
[Events](#)
[Login](#)

Home
Work package overview

Work package overview

- Work package 1: Management
- Work package 2: Standardization of cell migration data and metadata
- Work package 3: Software support for cell migration standards
- Work package 4: Development of a community accessible cell migration data repository and knowledgebase
- Work package 5: Novel algorithms for multiscale and meta-scale data analysis
- Work package 6: Data generation and multi-scale analysis in defined model systems and personalized healthcare
- Work package 7: Community outreach, dissemination and project durability

Overview of the interplay between the work packages

Home
Work package overview
WP1: Management

WP1: Management

WP1 ensures efficient communication within the MULTIMOT consortium, provides support for project management, for decision making, for overall progress reporting, and for possible conflict resolution. Furthermore, WP1 maintains the consortium website, ensures regular communication via group mailing list and maintains comprehensive documentation of all consortium decisions. Project-related communication are handled through regular teleconferences, staff exchanges, and the annual MULTIMOT project meetings which will also include the SAB members. The corresponding minutes, advice from the SAB and any decisions will be collated in yearly project reports.

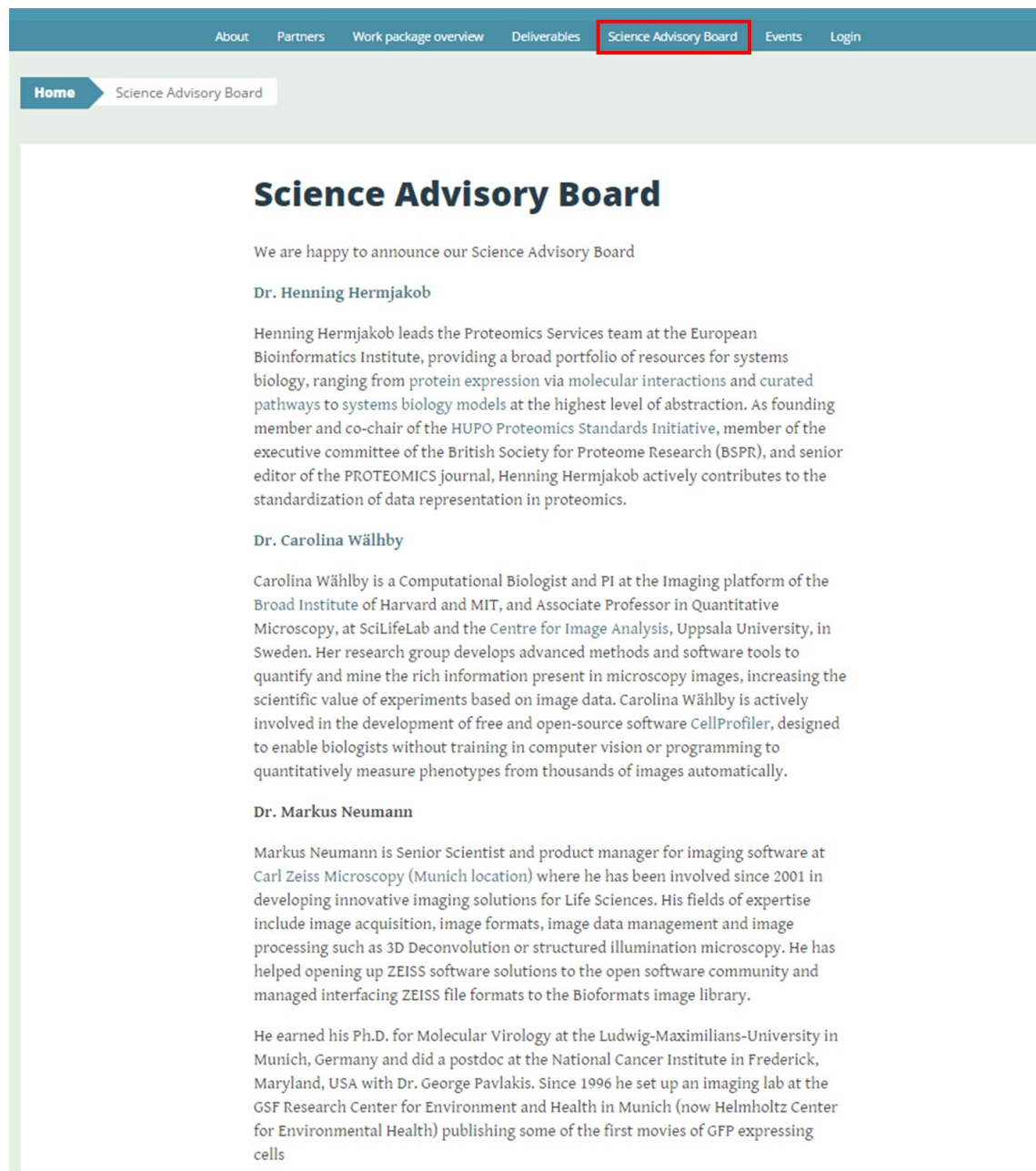
Figure 4: Work package overview page, and as inset an example of a WP's description.

Deliverable Number	Deliverable Title	WP number	Lead beneficiary	Type	Dissemination level	Due Date (in months)
D1.1	Creation of project website	WP1	1 - VIB	Report	Public	9
D1.2	Project progress report for Year 1	WP1	1 - VIB	Report	Public	12
D1.3	Project progress report for Year 2	WP1	1 - VIB	Report	Public	24
D1.4	Project progress report for Year 3	WP1	1 - VIB	Report	Public	36
D2.1	Creation of the Cell Migration Standardization Organization (CMSO)	WP2	1 - VIB	Report	Public	9
D2.2	Report on the creation of a CV	WP2	2 - WEIZMANN	Report	Public	12
D2.3	Release of the MIACME minimal reporting requirements	WP2	6 - UOXF	Report	Public	18
D2.4	Release of the standard format for cell migration data	WP2	7 - UNIVDUN	Report	Public	20
D2.5	Report on the structures and approaches set up for maintenance and updates to the standards	WP2	1 - VIB	Report	Public	24
D2.6	Report on the maintenance and updates carried out on the standard, and the plans for further support beyond project end	WP2	1 - VIB	Report	Public	36

Figure 5: Deliverables page of the MULTIMOT website.

Science Advisory Board

The 'Science Advisory Board' page introduces the Science Advisory Board (SAB) of the project (**Figure 6**). The MULTIMOT SAB is composed of: Dr. Henning Hermjakob, Dr. Carolina Wälhby, Dr. Markus Neumann, Dr. Thomas Lemberger, and Dr. Rick Horwitz (member at large).



About Partners Work package overview Deliverables **Science Advisory Board** Events Login

Home Science Advisory Board

Science Advisory Board

We are happy to announce our Science Advisory Board

Dr. Henning Hermjakob

Henning Hermjakob leads the Proteomics Services team at the European Bioinformatics Institute, providing a broad portfolio of resources for systems biology, ranging from protein expression via molecular interactions and curated pathways to systems biology models at the highest level of abstraction. As founding member and co-chair of the HUPO Proteomics Standards Initiative, member of the executive committee of the British Society for Proteome Research (BSPR), and senior editor of the PROTEOMICS journal, Henning Hermjakob actively contributes to the standardization of data representation in proteomics.

Dr. Carolina Wählby

Carolina Wählby is a Computational Biologist and PI at the Imaging platform of the Broad Institute of Harvard and MIT, and Associate Professor in Quantitative Microscopy, at SciLifeLab and the Centre for Image Analysis, Uppsala University, in Sweden. Her research group develops advanced methods and software tools to quantify and mine the rich information present in microscopy images, increasing the scientific value of experiments based on image data. Carolina Wählby is actively involved in the development of free and open-source software CellProfiler, designed to enable biologists without training in computer vision or programming to quantitatively measure phenotypes from thousands of images automatically.

Dr. Markus Neumann

Markus Neumann is Senior Scientist and product manager for imaging software at Carl Zeiss Microscopy (Munich location) where he has been involved since 2001 in developing innovative imaging solutions for Life Sciences. His fields of expertise include image acquisition, image formats, image data management and image processing such as 3D Deconvolution or structured illumination microscopy. He has helped opening up ZEISS software solutions to the open software community and managed interfacing ZEISS file formats to the Bioformats image library.

He earned his Ph.D. for Molecular Virology at the Ludwig-Maximilians-University in Munich, Germany and did a postdoc at the National Cancer Institute in Frederick, Maryland, USA with Dr. George Pavlakis. Since 1996 he set up an imaging lab at the GSF Research Center for Environment and Health in Munich (now Helmholtz Center for Environmental Health) publishing some of the first movies of GFP expressing cells

Figure 6: Science Advisory Board page.

Events

In this page, past and upcoming events around MULTIMOT activities are announced.

Login

The Login tab redirects to a restricted intranet area, currently implemented in the Redmine platform. This restricted area stores all MULTIMOT internal documents (e.g., steering committee notes). It should be noted that we are currently experimenting with Google Docs as a replacement for Redmine however, as the collaborative editing features and ease of access for project participants are quite promising.

3.2 Social media channels

To foster community outreach and dissemination, the following social media channels for MULTIMOT have also been created:

- A Twitter account: <https://twitter.com/MULTIMOTh2020>
- A LinkedIn account: <https://be.linkedin.com/in/multimot-project-46540810b/en>
- A YouTube channel: <https://www.youtube.com/channel/UCALWbQWATROWJXIPEiLWcTA>

The YouTube channel already features a simple introductory video that introduces MULTIMOT and the role of each participant: <https://www.youtube.com/watch?v=lwz0uQNJr0Q>.

We will use these social channels for the dissemination of project activities, for links with other projects of interest, and for interaction with researchers and the community.

4 Future plans

The information on the website will be updated continuously with all relevant information, for instance concerning deliverables and MULTIMOT-related events.

Furthermore, as mentioned above, we will also link all accepted public deliverables from the deliverable table, to obtain full transparency and dissemination of the project's progress.

5 Annexes

No annexes included.