



## **Deliverable No. 17.1.1**

### **External p-medicine website**

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| Dissemination Level |                                                                                       |   |
|---------------------|---------------------------------------------------------------------------------------|---|
| PU                  | Public                                                                                | X |
| PP                  | Restricted to other programme participants (including the Commission Services)        |   |
| RE                  | Restricted to a group specified by the consortium (including the Commission Services) |   |
| CO                  | Confidential, only for members of the consortium (including the Commission Services)  |   |



| <b>COVER AND CONTROL PAGE OF DOCUMENT</b>         |                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------|
| Project Acronym:                                  | <b>p-medicine</b>                                                         |
| Project Full Name:                                | From data sharing and integration via VPH models to personalized medicine |
| Deliverable No.:                                  | D 17.1.1                                                                  |
| Document name:                                    | External p-medicine website                                               |
| Nature (R, P, D, O) <sup>1</sup>                  | O                                                                         |
| Dissemination Level (PU, PP, RE, CO) <sup>2</sup> | PU                                                                        |
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<sup>1</sup> **R**=Report, **P**=Prototype, **D**=Demonstrator, **O**=Other

<sup>2</sup> **PU**=Public, **PP**=Restricted to other programme participants (including the Commission Services), **RE**=Restricted to a group specified by the consortium (including the Commission Services), **CO**=Confidential, only for members of the consortium (including the Commission Services)

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The document describes the **p-medicine public website** that is presently available. The website has been set up to ensure smooth information and communication within the consortium as well as with the public. The features of the websites are not intended as an ultimate solution, but will instead be constantly revised, up-dated and modified to adapt it to the project consortium's requirements. The website is available under <http://www.p-medicine.eu/>.

[illegible]

'p-medicine - From data sharing and integration via VPH models to personalized medicine' is a 4 -year Integrated Project co-funded under the European Community's 7th Framework Programme aiming at developing new tools, IT infrastructure and VPH models to accelerate personalized medicine for the benefit of the patient.

| SCIENTISTS                                                                          | MEDICAL PROFESSIONALS                                                               | INDUSTRY                                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| PATIENTS                                                                            | REGULATORY BODIES                                                                   | GENERAL PUBLIC                                                                      |
|  |  |  |

Information on clinical trials  
accessible through new online EU  
register

## 2 Introduction

The creation of the **p-medicine public website** is part of the continuous Task 17.1 “Web site”. The website presented in this document is the version that went online in February 2011 and has continuously been updated (last update on April 28<sup>th</sup>). It will be regularly updated with information that becomes available and will continuously be adapted to the consortium’s requirements. The website’s purpose is twofold: on the one hand it serves as an information platform and communication forum for the entire consortium and, on the other hand, it is an interface to the outside world.

The domain name is **<http://www.p-medicine.eu/>**.

## 3 Set-up and Features of the Website

In cooperation with the coordinator and with the input from all other beneficiaries, the layout and content of the website were defined. Instead of the official logo, a wordle, specifically created for p-medicine in the colours of the project, has been incorporated on the upper part of the website. The website’s **public area** offers the following features and information which will be illustrated with screenshots in the following:

- Welcome
- Users
- Project
- Tools
- News
- Downloads
- Links

These features are clearly visible on the tabs in the main navigation on the upper part of the website to guide the user through the website. All areas are working and the consortium as well as the public are able to easily receive relevant information about the project from the website.

## Welcome

The homepage represents the entry point to the p-medicine project website. It provides the basic facts about the project as well as a link to the Seventh Framework Programme. Important other links (as currently the link to CONTRACT's electronic survey) of the p-medicine project itself or related projects may be published on this website as well. The news corner on the right side of the website always shows the latest entries made in the section 'News'.

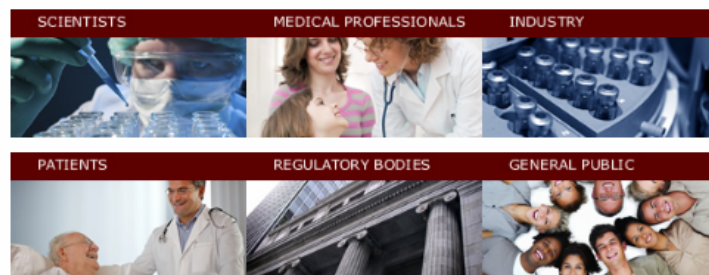
| WELCOME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USERS | PROJECT | TOOLS | NEWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DOWNLOADS | LINKS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
| <h3>WELCOME TO P-MEDICINE</h3> <p>'p-medicine - From data sharing and integration via VPH models to personalized medicine' is a 4 -year Integrated Project co-funded under the European Community's 7th Framework Programme aiming at developing new tools, IT infrastructure and VPH models to accelerate personalized medicine for the benefit of the patient.</p> <p>In p-medicine 19 partners from 9 European countries and Japan have dedicated themselves to create support and sustain new knowledge and innovative technologies to overcome current problems in clinical research and pave the way for a more individualized therapy.</p> <div> <div>SCIENTISTS</div> <div>MEDICAL PROFESSIONALS</div> <div>INDUSTRY</div> </div> <div> <div>PATIENTS</div> <div>REGULATORY BODIES</div> <div>GENERAL PUBLIC</div> </div> <p>Information arising from post-genomic research and combined genetic and clinical trials on the one hand, and advances from high-performance computing and informatics on the other hand, are rapidly providing the medical and scientific community with an enormous opportunity to improve prognosis of patients with cancer by individualizing treatment and moving forward to personalized medicine. Multi-level data collection within clinico-genomic trials and interdisciplinary analysis by clinicians, molecular biologists and other specialists involved in life science is mandatory to further improve the outcome of cancer patients' treatment. It is essential to merge the research results of biomolecular findings, imaging studies, scientific literature and clinical data from patients and to enable users to easily join, analyze and share even great amounts of data. The different partners with academic, industrial and clinical background are joining their forces to create an infrastructure that will facilitate the translation from current practice to personalized medicine.</p> |       |         |       | <h3>News</h3> <p><b>Verknüpfung internationaler Krankendaten</b><br/>07.04.2011<br/>Aufbau einer hochkomplexen IT-Infrastruktur für klinische Forschung und Studien<br/>»</p> <p><b>First Summer School in Computational Oncology</b><br/>04.04.2011<br/>You are cordially invited to participate to the First Summer School in Computational Oncology, to be held at Heraklion, Crete, Greece - June 13th-18th, 2011.<br/>»</p> <p><b>EU Clinical Trials Register</b><br/>30.03.2011<br/>Information on clinical trials accessible through new online EU register<br/>»</p> <p><b>CONTRACT's electronic survey</b><br/>29.03.2011<br/>Questionnaire to analyse and improve informed consent in clinical trials throughout Europe<br/>»</p> <div>  <a href="#">CONTRACT's electronic survey</a> </div> <div>  </div> |           |       |
| <p>©2011 progressima s.r.l.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |       |

In addition to the tab 'Users' in the main navigation, a picture has been incorporated in the 'Welcome' page including the six different user groups for whom the website offers information specifically designed to their needs.

-  [Contact](#)  [Imprint](#)  [Sitemap](#)  ProjectAngel



## LINKS



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## Project

This web page gives an overview on the project itself. It is subdivided in the following sections which become visible when scrolling over the tab 'Project': In brief; Objectives; Overall strategy; Structure; Partners.

The subsections 'In brief', 'Objectives', 'Overall strategy' and 'Structure' contain abbreviated information from the Description of Work to inform the user in more detail about the objectives, the work to be performed in the project and the expected results of p-medicine.

| WELCOME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | USERS | PROJECT                                                                                                     | TOOLS | NEWS | DOWNLOADS | LINKS |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | In brief<br>Objectives<br>Overall strategy<br>Structure<br>Partners                                         |       |      |           |       |
| <b>P-MEDICINE IN BRIEF</b><br><p>Medicine is currently undergoing a transformation that is gradually transforming the nature of healthcare from reactive to preventive. The changes are catalysed by a new systems approach that have triggered the emergence of personalized medicine – a medicine that focuses on the integrated diagnosis, treatment and prevention of disease in individual patients.</p> <p>This change is rooted in new science. The convergence of systems approaches to disease, new measurement, modelling and visualization technologies, and new computational and mathematical tools are expected to allow our current, largely reactive mode of medicine to be replaced over the next 10 to 20 years by a personalized, predictive, preventive, and participatory medicine. While the goal is clear, the path to such advances has been fraught with roadblocks in terms of technical, scientific, and sociological challenges.</p> <p>In developing an innovative and integrated technological solution to enable personalised medicine the current project responds to an urgent societal need. Our emphasis is on formulating an open, modular framework of tools and services, so that p-medicine can be adopted gradually, including efficient secure sharing and handling of large personalized data sets, enabling demanding Virtual Physiological Human (VPH) multiscale simulations (in silico oncology), building standards-compliant tools and models for VPH research, drawing on the VPH Toolkit and providing tools for large-scale, privacy-preserving data and literature mining, a key component of VPH research. We will ensure that privacy, non-discrimination, and access policies are aligned to maximize protection of and benefit to patients. The p-medicine tools and technologies will be validated within the concrete setting of advanced clinical research. Pilot cancer trials have been selected based on clear research objectives, emphasising the need to integrate multilevel datasets, in the domains of Wilms tumour, breast cancer and leukaemia. To sustain a self-supporting infrastructure realistic use cases will be built that will demonstrate tangible results for clinicians.</p> |       |  <p>Clinical pathways</p> |       |      |           |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                          |       |      |           |       |

The different project partners are introduced in the subsection 'Partners'. As an example, a screenshot of Saarland University, Germany, is provided. A click on the name in the list will lead to a subpage on which visitors have access to an overview of the partner's institution, its major tasks in the project, a link to the partner's official website and the contact details of the team members.

[WELCOME](#)[USERS](#)[PROJECT](#)[TOOLS](#)[NEWS](#)[DOWNLOADS](#)[LINKS](#)

**Brief description and aims of work**

**USAAR-HOM**

At the Faculty of Medicine (University Hospital), located in Homburg/Saarland more than 1800 people are studying medicine. There are 36 hospitals or institutions treating more than 54.000 inpatients and nearly 190.000 outpatients each year. The clinical participant from Saarland University is the department of Paediatric Oncology and Haematology that is responsible for the care of patients in the Saarland and the surrounding area. The research focus of the Department of Paediatric Oncology and Haematology is nephroblastoma and brain tumours (clinical trials and basic research in cooperation with different institutes) and brain tumour.

The clinical expertise is most relevant for the project. The main role of Saarland University is being the link between clinicians and IT-people to bridge the gap between research and clinical daily practice. The integration of patients in the project is a major task regarding safety and patient empowerment.

**Team members**



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DES  
SAARLANDES

◀ Select next partner ▶

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## **Tools**

In this section the tools, models and services developed within the project's lifetime will be presented. The subpage will be regularly updated with new tools becoming available for users within and outside the consortium.

This page is currently under construction as the project has just started.

## News

Latest news and updates as well as upcoming events will continuously be announced in the 'News' section. It is intended to inform the scientific community in advance via the website about conferences, summer schools, workshops, etc. in which p-medicine partners will participate to give interested scientists the opportunity to meet the partners on the occasion of such events. The 'News' section is subdivided into a section for press releases ('Press') and information on events ('Events'). Furthermore future newsletters will be posted on the website and a RSS feed will be available soon.

| WELCOME | USERS | PROJECT | TOOLS | NEWS | DOWNLOADS | LINKS |
|---------|-------|---------|-------|------|-----------|-------|
|---------|-------|---------|-------|------|-----------|-------|

**PRESS ARTICLES**

**07.04.2011, Verknüpfung internationaler Krankendaten**  
Aufbau einer hochkomplexen IT-Infrastruktur für klinische Forschung und Studien  
**Read more »**

**04.04.2011, First Summer School in Computational Oncology**  
You are cordially invited to participate to the First Summer School in Computational Oncology, to be held at Heraklion, Crete, Greece - June 13th-18th, 2011.  
**Read more »**

**30.03.2011, EU Clinical Trials Register**  
Information on clinical trials accessible through new online EU register  
**Read more »**

**29.03.2011, CONTRACT's electronic survey**  
Questionnaire to analyse and improve informed consent in clinical trials throughout Europe  
**Read more »**

**17.02.2011, Personalisierte Medizin: 13,3 Millionen Euro EU-Förderung für die Vernetzung klinischer, molekulargenetischer und Forschungsdaten.**  
Folge: Individuelle und optimale Therapie kann mit dem Zeitpunkt der Diagnose starten  
**Read more »**

Displaying results **1 to 5** out of **9**

1

2

Next >

The downloads tab offers a press kit with press releases related to the project. In addition, public deliverables will be uploaded here as well as open access publications produced in the course of the project.

## LINKS

- Deliverables
- Press kit
- Publications

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## Links

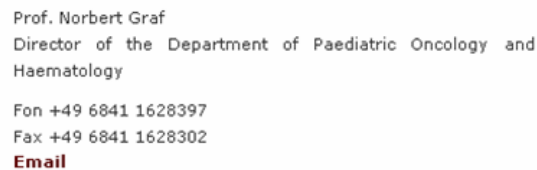
Project relevant links are presented on the 'Links' page. With upcoming activities and presence of p-medicine partners at conferences and respective interfacing with other projects, this section will be further developed and links will be included.

| WELCOME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USERS | PROJECT | TOOLS | NEWS | DOWNLOADS | LINKS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|-------|------|-----------|-------|
| <b>USEFUL LINKS</b><br><p>p-medicine will interact with the following research networks and activities:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |         |       |      |           |       |
|  <b>ACGT: Advancing Clinico Genomic Trials on Cancer</b><br>Between ACGT, ContraCancrum and p-medicine a close interaction will take place, as several of the partners are also enrolled in these two European funded projects.                                                                                                                                                                                                                                                                                                                                                                                            |       |         |       |      |           |       |
|  <b>BBMRI: Biobanking Biomolecular Resources Research Infrastructure</b><br>For biobank access services needed in the p-medicine infrastructure we will avoid redundant work by cooperating closely with BBMRI.                                                                                                                                                                                                                                                                                                                                                                                                            |       |         |       |      |           |       |
|  <b>ContraCancrum: Clinically Oriented Translational Cancer Multilevel Modelling</b><br>Between ACGT, ContraCancrum and p-medicine a close interaction will take place, as several of the partners are also enrolled in these European funded projects.                                                                                                                                                                                                                                                                                                                                                                    |       |         |       |      |           |       |
|  <b>CONTRACT: CONsent in a TRIal And Care Environment</b><br>The EU funded Coordination and Support Action aims at analysing, improving and harmonising 'informed consent' across Europe. A close interaction will take place between Contract and p-medicine as several partners are active in both projects.                                                                                                                                                                                                                                                                                                            |       |         |       |      |           |       |
|  <b>EATRIS: European Advanced Translational Research Infrastructure</b><br>The European Advanced Translational Research Infrastructure (EATRIS) as an ESFRI-BMS infrastructure has expressed their support for and collaboration with p-medicine.                                                                                                                                                                                                                                                                                                                                                                        |       |         |       |      |           |       |
|  <b>ECRIN: European Clinical Research Infrastructures Network</b><br>The 'European Clinical Research Infrastructures Network ECRIN', which is represented in the project through the partner UDUS, will support the effective and interoperable integration of p-medicine environment in an international clinical trials infrastructure and evaluate the usability and effectiveness of p-medicine tools used in a real clinical trial as part of the ECRIN clinical trial infrastructure.                                                                                                                              |       |         |       |      |           |       |
|  <b>ITCC: Innovative Therapies for Children with Cancer</b><br>The European ITCC consortium that aims to develop novel therapies for paediatric malignancies through clinical and translational research connecting new drugs, biology and the unmet needs of children with cancer                                                                                                                                                                                                                                                                                                                                       |       |         |       |      |           |       |
|  <b>TUMOR: Transatlantic Tumour Model Repositories</b><br>The transatlantic EC funded project 'TUMOR' aims at developing a European clinically oriented semantic-layered cancer digital model repository from existing EU projects that will be interoperable with the US grid enabled semantic-layered digital model repository platform at <b>CViT.org</b> (Center for the Development of a Virtual Tumor, Massachusetts General Hospital (MGH), Boston, USA) which is NIH/NCI-caGRID compatible. P-medicine will contribute to the population of the European cancer digital model repository through its VPH models. |       |         |       |      |           |       |
|  <b>VPH Network of Excellence (VPH NoE)</b><br>is designed to foster, harmonise and integrate pan-European research in the field of patient-specific computer models for personalised and predictive healthcare and ICT-based tools for modelling and simulation of human physiology and disease-related processes. It is the intention of p-medicine to build up an interactive collaboration with the VPH NoE to harmonize tools, methods and services in interlinking with the VPH Toolkit. Different partners of p-medicine are also involved in this NoE.                                                           |       |         |       |      |           |       |

The contact details of the responsible scientific coordinator are available on this page. A link is found in the upper right corner above the p-medicine wordle. Prof. Norbert Graf of Saarland University is the scientific coordinator of p-medicine.

[illegible]

PROJECT COORDINATOR



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**Internet**

## ProjectAngel

The link to the internal password-protected area of the website can be found in the upper right corner of the website above the p-medicine wordle. Access is provided to the project members or invited users. The Intranet is intended as management platform of the project.

**p-medicine** **Public** ProjectAngel

**Please login**

Enter your username and password here in order to log in on the website:

Username:

Password:

**Forgot your password?**  
Having difficulties with your login? Try the **Frequently Asked Questions** section.

## 4 Results and Conclusion

The website is online and working and provides all relevant features to inform the interested public and scientific community about the project in a user-friendly manner. As the development of the website is a continuous task, the website as presented in this deliverable must be considered to only be a 'snapshot'. The project's website will be updated frequently to contain the latest information and will be adapted to the consortium's requirements if necessary. Please see <http://www.p-medicine.eu/> for any development.