CHIC IPR Memorandum of Understanding

In supplementation to the Consortium Agreement, version 4 of January 18, 2013

Memorandum of Understanding on Disposal of Intellectual Property Rights in CHIC

("CHIC IPR Memorandum")

Version 3.0 as of January 2015

Between the Parties to the Consortium Agreement, version 4 of January 18, 2013, as identified in the Consortium Agreement,

relating to the Project entitled:

"Computational Horizons in Cancer (CHIC): Developing Meta- and Hyper-Multiscale Models and Repositories for *In Silico* Oncology",

in short "CHIC", referred to as "the Project",

Preamble:

WHEREAS, given the importance of safeguarding against the possible loss of economical and scientific interest of the Project research and development as a consequence of sharing creativity, and with reference to joint tasks during the Project implementation, the Parties have identified that certain practical scenarios in place are not always fully covered by the default rules set out in the FP7 EC-GA (Annex II) and provisions of the Consortium Agreement, applicable to the Project;

WHEREAS, the Parties accordingly believe that further augmentation or clarification of the default rules set out in the FP7 EC-GA (Annex II) and provisions of the Consortium Agreement may be desirable, the Parties wish to provide and agree on the rules which shall govern the exercise and disposal of Intellectual Property Rights (abbreviated to "IPR") in the Project;

WHEREAS, pursuant to Article 11.4 Paragraph 2 of the Consortium Agreement, amendments and modifications to the text thereof, unless explicitly listed in Article 6.3.1.2 require a separate agreement between all Parties;

THEREFORE, in supplementation to the provisions laid down in the EC-GA and the Consortium Agreement, the Parties agree this Memorandum of Understanding on Disposal of Intellectual Property Rights in CHIC (hereinafter referred to as "CHIC IPR Memorandum" or "Memorandum") as follows:

1.   Section 1: Definitions

1.1.   Definitions

For the purposes of this Memorandum, words beginning with a capital letter shall have the meaning, as used and/or defined in the Consortium Agreement.

1.2.   Additional Definitions

In addition to Definitions relating to Software, laid down in Article 9.8.1 of the Consortium Agreement, the Parties define the "Software preparatory design material" as follows:

"Software preparatory design material" means materials which are produced in various stages of Software development and lead to the reproduction or subsequent re-creation of Software. These materials may

include, but are not limited to: problem description, description of the method adopted to solve the problem by Software, stages and steps to be taken by Software in execution of those stages, etc.

2.   Section 2. Responsibilities of Parties

2.1.   Involvement of third parties

In supplementation to Article 4.3 of the Consortium Agreement, the Parties agree that a Party who enters into a subcontract or otherwise involves third parties (including but not limited to Affiliates) in the Project shall prior to introducing and using such third party works in the Project procure the rights in these works via a written agreement. The scope of rights shall be sufficient so as to allow that Party to use third party works to develop and use its own Foreground and to grant Access Rights, as provided for by the Consortium Agreement, to the other Parties, including via sublicensing of the relevant rights.

If a third party work is Software, the scope of rights in it shall be sufficient so as to allow that Party to use the Software to develop and use its own Foreground and/or use the Software as part of or in connection with its own Foreground and to grant Access Rights, in particular, to grant Access to Software, Software license and sublicensing rights, as provided for by Articles 9.8.3 - 9.8.6 of the Consortium Agreement, to the other Parties as well.

Other provisions of the Consortium Agreement relating to involvement of third parties, obligations and responsibilities of Parties in relation to involvement of third parties shall remain in full effect.

3.   Section 3: Foreground

3.1.   Joint ownership

If jointly generated Foreground is or includes Software, then, in supplementation to Article 8.2 of the Consortium Agreement, the Parties agree that the Joint Owners shall ensure that the Foreground is developed and Software contributions are used in a way that license terms applicable thereto are complied with and no license incompatibility issues arise. The Joint Owners shall agree the license(s) under which they will release their jointly generated Foreground in such a way that no license incompatibility issues arise. In the event of a conflict between the terms of this paragraph and the terms of the Consortium Agreement, Article 5.1 and Article 9.2.1 of the Consortium Agreement shall prevail.

3.2.   Composite ownership

In supplementation to Article 8.2 of the Consortium Agreement, the Parties agree as follows:

If the work generating particular Foreground relates to the Work Package 6 Cancer Models and Hypermodel Design, Work Package 7 Hypermodelling infrastructure, and/or Work Package 9 Image Processing and Visualization, Annex I of the EC-GA, and is carried out by or on behalf of more than one Party, and if contributions of the Parties are separately identifiable and/or constitute separate and/or independent works in themselves, but are assembled into a collective whole as inter-dependent parts (albeit without an intent to be merged to the point of being used as a whole only), the contributing Parties agree that such Foreground constitutes a composite work ("composite Foreground") and all patents and other registered IPRs issued thereon, and any other IPRs protecting such Foreground, shall be owned by the contributing Parties ("Co-Owners") according to the contribution of each. The Co-Owners agree that each contributing Party and its contribution into the composite Foreground shall be recognised.

Composite ownership in such Foreground shall be without prejudice to and not affect individual ownership of the contributing Parties in the separate works which they contribute.

The same shall apply to the hypermodels generated under the Work Package 6, Cancer Models and Hypermodel Design, Annex I of the EC-GA, by more than one Party together. In a case where more than one Party generates a hypermodel which by reason of the selection or arrangement of the models in it constitutes an intellectual creation, then the Parties who contribute component models and a Party who develops the hypermodeling strategy - the hypomodel linking, the hypomodel integration - shall be the Co-Owners of the hypermodel in question.

The Co-Owners who wish and agree to exploit their composite Foreground shall agree on the ownership shares, exercise of rights, sharing of revenues, protection measures and the division of related cost in advance. In such case they shall record their contributions in Attachment 5 to this Memorandum before the Project ends. Co-Owners of a hypermodel who fail to enter into such an agreement shall have the same rights as Joint Owners enjoy under Article 8.2 Paragraph 2 of the Consortium Agreement.

The other provisions applicable to Joint ownership agreed in Article 8.2 of the Consortium Agreement or this Memorandum shall apply to Composite ownership as well.

3.3.   Access Rights subject to third party rights

In supplementation to Articles 6.9.3.3 and 9.2.2 of the Consortium Agreement, the Parties agree that insofar as a Party uses proprietary Software to develop its Foreground, which another Party will only be able to use if it has a license to use that Software, then the developing Party may use that Software provided it records the Software with reference to the Foreground for which it is needed in Attachment 3 to this Memorandum. In such a case the developing Party shall assist and agree with the Party that requests Access Rights to its Foreground on how to obtain the relevant license on the conditions most suitable for both.

3.4.   Access Rights for Use

In supplementation to Article 9.4.1 of the Consortium Agreement, the Parties agree that Access Rights to the Foreground for Use shall be granted upon the signature of a written agreement and following the procedure prescribed for granting the Access Rights to Background for Use, as laid down in Article 9.4.2 of the Consortium Agreement. In such case the request for Access Rights shall include the information listed in Attachment 1 to this Memorandum.

4.   Access Rights to Software

4.1.   Access to Software

Supplemental to Article 9.8.3 of the Consortium Agreement, the Parties agree that a Party who is willing and able, when granting the Access Rights to Software, which is Foreground and/or Background, to grant Access to the Source Code for implementation and/or for Use may do so by entering the Software concerned into Attachment 2 to this Memorandum.

4.2.   Access Rights for implementation

Supplemental to Article 9.8.3 of the Consortium Agreement, the Parties agree that Access Rights to Software which is Background and/or Foreground for implementation shall include the Software preparatory design material and cover the rights to use Software in all modes and all means, as Needed for the performance of the own work of the Party that requests Access Rights under the Project. The rights to use Software for implementation include, but are not limited to: the right of reproduction by any means and in any form, in part or in whole, such as by loading, displaying, running, transmission or storage; the

translation, adaptation, arrangement, modification, including error correction, any other alteration and the reproduction of the results thereof, other modes of using Software as Needed for implementation.

4.3. Foreground – Rights to grant sublicenses to Object Code to end-users

Supplemental to Article 9.8.4.1.2 of the Consortium Agreement, the Parties agree that the right to grant sublicenses to the end-users, as Needed for the Use of the Party´s own Foreground, shall include the right to make a back up copy and the right to error correction to the extent necessary for normal use of the Software by the end-user in accordance with its intended purpose.

4.4. Foreground – Rights to grant sublicenses to Source Code to end-users

In supplementation to Article 9.8.4.2.2 of the Consortium Agreement, the Parties agree that a Party who is requested to grant Access Rights to Source Code for Use may make granting of the Access Rights subject to the condition that, prior to sublicensing such Source Code to the end-user, the Requesting Party shall verify that otherwise adaptation, error correction, maintenance and/or support of the Software by the end-user would be legally or technically impossible.

4.5. Open source Software

In supplementation to Article 9.8.6 of the Consortium Agreement, the Parties agree that where a Party submits a Request as defined in Article 9.8.6 Paragraph (a) (iii) of the Consortium Agreement, this shall contain the information specified in Attachment 4 to this Memorandum.

4.6. Compliance with the license terms

For the avoidance of doubt and without prejudice to Article 5.1 and Article 9.2.1 of the Consortium Agreement, the Parties agree that each Party who develops Software for and/or introduces Foreground which uses Software to the Project shall ensure that Software is developed and Software components are used in a way that license terms applicable thereto are complied with and no license incompatibility issues arise. Software for the Project shall be developed and released in such a way that no license incompatibility issues arise.

5. Miscellaneous

5.1. Attachments, inconsistencies and severability

This Memorandum consists of this core text together with:

Attachment 1: Contents of requests for Access Rights for Use

Attachment 2: List of Software in respect of which Access to Source Code is granted

Attachment 3: List of proprietary Software with reference to the Foreground for which it is needed

Attachment 4: Request for approval to introduce and/or use Software/Works under Controlled License Terms

Attachment 5: List of works which the Parties agree to contribute for exploitation as composite works

In case the terms of this Memorandum are in direct conflict with the terms of the Consortium Agreement or the EC-GA, the terms of the latter shall prevail. In case of conflicts between the attachments and the core text of this Memorandum, the latter shall prevail.

Should any provision of this Memorandum or of the Consortium Agreement become invalid, illegal or unenforceable, it shall not affect the validity of the remaining provisions of this Memorandum. In such a case, the Parties concerned shall be entitled to request that a valid and practicable provision be negotiated which fulfils the purpose of the original provision.

This Memorandum is subject to the provisions of the Consortium Agreement and the EC-GA. To the situations, rights and obligations of the Parties, which are not covered by this Memorandum, the provisions laid down in the Consortium Agreement and/or the EC-GA shall apply respectively.

This Memorandum shall have effect from the date when it is signed by all the Parties that are signatories to the Consortium Agreement, and shall be effective as long as the Consortium Agreement remains in full force and effect, as provided by Article 3.2 of the Consortium Agreement.

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Attachment 1

Contents of requests for Access Rights for Use, as referred to in Articles 9.2.6 and 9.4.2 of the Consortium Agreement and Clause 3.4 of this Memorandum

Each request for Access Rights for Use shall include, as a minimum, the following:

1.   Full name of the Requesting Party, as identified in the Consortium Agreement.

2.   Full name of the Granting Party, as identified in the Consortium Agreement.

3.   Formal request for Access Rights.

4.   Identity of the Granting Party´s Foreground or Background, including name, version number, etc., the Access Rights to which are requested.

4.1.   If the Foreground or Background, Needed for Use, is Software, additionally whether Access is sought to:

  (a)   Object Code; or

  (b)   Object Code and API, if API is required for normal use of the Object Code; and/or

  (c)   Source Code.

5.   Identity of the Requesting Party's own Foreground, including name, version number, etc., for the Use of which Access Rights are requested.

6.   Reasons why the Access Rights are Needed:

6.1.   Reasons why without the grant of such Access Rights the Use of own Foreground would be technically or legally impossible. (In the case of Software Source Code, added reasons why Object Code is insufficient, and description of the extent of the Source Code Needed).

6.2.   Supporting materials, e.g. interoperability, technical parameters, etc., if applicable.

7.   Scope of Use: duration, territorial scope, field of use and other characteristics of the Use envisaged.

8.   Scope of rights:

8.1.   The rights and modes of use which are Needed for Use and requested.

8.2.   Additionally for Software:

  (a)   Foreground in Object Code: rights which are Needed for Use and requested plus rights under Article 9.8.4.1.1 of the Consortium Agreement.

  (b)   Foreground in Source Code: rights which are Needed for Use and requested plus rights under Article 9.8.4.2.1 of the Consortium Agreement.

  (c)   Background in Object Code: rights which are Needed for Use and requested.

  (d)   Background in Source Code: rights which are Needed for Use and requested. Unless agreed, grant of the Source Code is excluded by Article 9.8.3 of the Consortium Agreement.

9.   Rights to sublicense:

9.1.   Rights and modes of use which are Needed for Use of the Requesting Party´s own Foreground by the end-users and which need to be sublicensed. (Unless agreed, the rights to sublicense are excluded under Article 9.2.4 of the Consortium Agreement.)

9.2.   Reasons why without the grant of sublicense the Use of own Foreground by the end-users would be technically or legally impossible.

9.3.   Potential sub-licensees, if available.

9.4.   Additionally for Software:

(a)   Foreground in Object Code: as specified in Article 9.8.4.1.2 of the Consortium Agreement.

(b)   Foreground in Source Code: as specified in Article 9.8.4.2.2 of the Consortium Agreement.

(c)   Background in Object Code: as Needed for Use and requested. (Unless agreed, right to sublicense is excluded under Article 9.8.4.1.3 of the Consortium Agreement).

(d)   Background in Source Code: as Needed for Use and requested. (Unless agreed, right to sublicense is excluded under Article 9.8.4.2.3 of the Consortium Agreement).

10.   Fair and Reasonable conditions, including possible financial terms taking into account the specific circumstances of the request for access, for example the actual or potential value of the foreground or background to which access is requested and/or the scope, duration or other characteristics of the use envisaged

11.   Request for confirmation from the Granting Party as to whether it will require acceptance of additional terms as a condition for granting the Access Rights pursuant to Article 9.2.6 of the Consortium Agreement.

12.   Other provisions which the Requesting Party would be prepared to agree.

13.   Date, place and signature of authorised representative of the Requesting Party.

14.   Date, place and signature of authorised representative of the Granting Party, provided the Granting Party agrees to grant the Access Rights as requested above.

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Attachment 2

List of Software, which is Background or Foreground, in respect of which the Parties are both willing and able, when granting the Access Rights, to grant Access to the Source Code for implementation and/or for Use, as provided for in Article 9.8.3 of the Consortium Agreement and Clause 4.1 of this Memorandum: Party, identity of Software, access granted: for implementation and/or for Use

Party/Contributor	Component	Foreground/Background	Access Rights
UBERN Philippe Büchler [philippe.buechler@istb.unibe.ch]	Biomechanics component model developed in ContraCancrum	Background	For implementation and for Use
	Tumour biomechanics hypomodel simulator	Foreground	For implementation and for Use
	FeBio plugin for use with FeBio-based biomechanics simulator	Foreground	For implementation and for Use
UNITO Caterina Guiot [caterina.guiot@unito.it]	C+Te27 Phenomenological universality in cancer growth	Background Reference to: CHIC_DESCRIPTION_OF_REPRESENTATIVE CANCER_MODELS_AND_HYPOMODELS	For implementation and for Use
	C+Te28 Cancer growth & radiotherapy	Background Reference to: CHIC_DESCRIPTION_OF_REPRESENTATIVE CANCER_MODELS_AND_HYPOMODELS	For implementation and for Use
	C+Te29 Multipassage tumor growth	Background Reference to: CHIC_DESCRIPTION_OF_REPRESENTATIVE CANCER_MODELS_AND_HYPOMODELS	For implementation and for Use
	C+Te30 Cancer growth and chemotherapy	Background Reference to: CHIC_DESCRIPTION_OF_REPRESENTATIVE CANCER_MODELS_AND_HYPOMODELS	For implementation and for Use
	Hyper_Lung Growth, mutation and treatment	Foreground WP6 Report, November 2014	For implementation and for Use
UCL Samuel Alexander	OWLKB	Foreground	For implementation and for Use

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[rmhiale@ucl.ac.uk]	RDFStore	Foreground	For implementation and/or for Use
	LOLS	Foreground	For implementation and for Use
USAAR Norbert Graf [Norbert.Graf@uniklinikum-saarland.de]	Ontology-based Trial Management Application (ObTiMA)	Background/Foreground	For implementation and for Use
	Algorithms for Tumor Segmentation in Medical Image Data	Foreground	For implementation and for Use
CINECA/USFD CINECA: Giovanni Erbacci [g.erbacci@cineca.it] USFD: Marco Viceconti [m.viceconti@sheffield.ac.uk]	Virtual Physiological Human Hypermodeling Framework (VPH-HF)	Background/Foreground	For implementation or for use as open source in public domain.
FORTH Stelios Sfakianakis [ssfak@ics.forth.gr]	CHIC Hypermodelling Editor	Background/Foreground	For implementation or for use as open source in public domain.
ICCS* Team Leader: G.S.Stamatakos [gestam@mail.ntua.gr] Administrative Handler: N. Tousert [tousertn@mail.ntua.gr]	Tumor growth and response to chemotherapy component model developed within previous EC funded projects (ACGT, ConcraCancrum, p-medicine)	Background	For implementation

*Depending on the involving implementation needs additional simulation codes and/or executables may also be provided to the Consortium by ICCS.

CHIC IPR Memorandum

Attachment 3

List of Software with reference to the Foreground for which it is needed recorded in accordance with Article 9.2.2 of the Consortium Agreement in conjunction with Clause 3.3 of this Memorandum: Party, identity of Software, source of origin (e.g. software developer, URL) and Software license terms, the Foreground concerned

Party/Contributor	Identity of Software	Source of origin	Software license terms	Foreground concerned
UBERN Philippe Büchler [philippe.buechler@istb.unibe.ch]	ABAQUS	Dassault Systèmes http://www.3ds.com/products-services/simulia/products/abaqus/	Abaqus Installation and Licensing Guide www.3ds.com/simulia	Biomechanical model (WP6)
	FEBio	University of Utah http://febio.org	FEBIO SOFTWARE LICENSE Version 2.0 http://mrldata.sci.utah.edu/data/FEBio_EULA.pdf	Biomechanical model (WP6)
	MS SQL server	Microsoft http://www.microsoft.com/en-us/server-cloud/products/sql-server/	Licensing models http://www.microsoft.com/en-us/server-cloud/products/sql-server/Purchasing.aspx	Clinical Data Repository (WP8)
UNITO Caterina Guiot [caterina.guiot@unito.it]	MATLAB 7	Mathworks http://www.mathworks.com/products/matlab/	License options https://www.mathworks.com/store/default.do?s_cid=store_top_nav&s_tid=gn_store	Representative cancer models and and hypomodels (WP6)
FORTH Konstantinos Marias [kmarias@ics.forth.gr]	MATLAB runtime environment	Mathworks http://www.mathworks.com/products/compiler/mcr/	Free download http://www.mathworks.com/products/compiler/mcr/	Hypomodels (WP6)
ICCS* Team Leader: G.S.Stamatakos [gestam@mail.ntua.gr] Administrative Handler: N. Tousert [tousertn@mail.ntua.gr]	MATLAB R2013a	Mathworks http://www.mathworks.com/products/matlab/	License options https://www.mathworks.com/store/default.do?s_cid=store_top_nav&s_tid=gn_store	'In-silico' tumor initialization hypomodel
				Cell cycle hypomodel
				Pharmacokinetic hypomodel
				Pharmacodynamic hypomodel
				Tumor growth hypomodel
				Tumor response to

				therapy hypomodel
				Glioma response to immunotherapy statistical hypomodel
				Glioma response to immunotherapy mechanistic hypomodel
				Vascular tumour growth under bevacizumab monotherapy

*Depending on the involving implementation needs additional simulation codes and/or executables may also be provided to the Consortium by ICCS.

CHIC IPR Memorandum

Attachment 4

Required contents of Requests for approval of introduction and/or use in the Project of Software and/or Works subject to Controlled License Terms, as referred to in Article 9.8.6 Paragraph (a) (iii) of the Consortium Agreement and Clause 4.5 of this Memorandum

1. Full name of the Party which makes a Request, as identified in the Consortium Agreement.

2. The identity of the Software/Work concerned, including name, version number, etc.

3. License name and copy of the license terms, including Controlled License Terms, applicable to the Software/Work as released by the right holder.

4. The identity and contact coordinates of the right holder and source of origin of the Source/Work, e.g. URL, home site.

5. Description of the intended purpose and what functions the Software/Work will do in the Project.

6. Reasons why the Software/Work is required for use in the Project and how it will contribute to achieve the Project goals.

7. Description how and where the Software/Work will be used in the Project and how it will communicate and interact with the other components in the Project.

8. List of Software/Works considered as possible alternatives to the Software/Work in question, which are not subject to Controlled License Terms.

9. Reasons why specifically the Software/ Work in question is required for use in the Project and will help to achieve its goals better than any other alternative Software/Works.

10. Request for the Consortium to approve the introduction and use of the Software/Work in the Project in accordance with the license terms applicable to it and scope of use, as specified above.

11. Acknowledgement of the Party which makes the Request and grants the Access Rights that Access Rights to the Software/Work concerned include the right to sublicense that Software/Work upon Controlled License Terms (Article 9.8.6 Paragraph (b) of the Consortium Agreement), or

12. Request for the Consortium to agree in the approval that Access Rights to the Software/Work concerned include the right to sublicense that Software/Work upon Controlled License Terms (Article 9.8.6 Paragraph (a) (iii) of the Consortium Agreement).

13. Acknowledgement by the Party which makes the Request and grants the Access Rights that, provided the introduction and/or use of the Software/Work under Controlled License Terms being approved by the Parties unanimously, it may be used only in accordance with the license terms applicable to it and within the scope of use, as specified above.

14. Date, place and signature of authorised representative of the Party which makes the Request for approval.

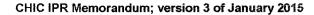**CHIC IPR Memorandum**

Attachment 5

List of works which the Parties agree to contribute for exploitation as composite works in accordance with Clause 3.2 of this Memorandum: Party, identity of individual work/s

Party/Contributor	Contribution	Work Package (WP)
UBERN Philippe Büchler [philippe.buechler@istb.unibe.ch]	Tumour biomechanics hypomodel simulator	WP 6
	FeBio plugin for use with FeBio-based biomechanics simulator	WP 6
	Tools providing related functionalities, such as data format conversion or FE meshing tool	WP 6
UNITO Caterina Guiot [caterina.guiot@unito.it]	C+Te27, Phenomenological universality in cancer growth	WP 6
	C+Te28, Cancer growth & radiotherapy	WP 6
	C+Te29, Multipassage tumor growth	WP 6
	C+Te30, Cancer growth and chemotherapy	WP 6
	Hyper_Lung, Growth, mutation and treatment	WP 6
UCL Samuel Alexander [rmhiale@ucl.ac.uk]	OWLKB	WP 7, 8, 12
	RDFStore	WP 7, 8, 12
	LOLS	WP 7, 8, 12
USAAR Norbert Graf [Norbert.Graf@uniklinikum-saarland.de]	Ontology-based Trial Management Application (ObTiMA)	WP 8, 9, 10
	Algorithms for Tumor Segmentation in Medical Image Data	WP 9
FORTH Ioannis Karatzanis [karatzan@ics.forth.gr] Vangelis Sakkalis [sakkalis@ics.forth.gr]	DrEye CHIC Image Processing Toolkit	WP 9
	Metabolic Model	WP 6
	PIHNA-ECM-LQ	WP 6
	Cell-level tumor invasion	WP 6
ICCS* Team Leader: G.S.Stamatakos [gestam@mail.ntua.gr] Administrative Handler: N. Tousert [tousertn@mail.ntua.gr]	Lung cancer tumor growth and response to chemotherapy hypomodel simulator	WP 6
	Nephroblastoma tumor growth and response to chemotherapy hypomodel simulator	WP 6
	'In-silico' tumor initialization hypomodel	WP 6
	Cell cycle hypomodel	WP 6
	Pharmacokinetic hypomodel	WP 6
	Pharmacodynamic hypomodel	WP 6
	Tumor growth hypomodel	WP 6
	Tumor response to therapy hypomodel	WP 6

	Glioma response to immunotherapy statistical hypomodel	WP 6
	Glioma response to immunotherapy mechanistic hypomodel	WP 6
	Vascular tumour growth under bevacizumab monotherapy hypomodel	WP 6
BED Team Leader: Feng Dong [feng.dong@beds.ac.uk]	CCGVis: volume visualization software for medical image data	WP9

*Depending on the involving implementation needs additional simulation codes and/or executables may also be provided to the Consortium by ICCS.

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS – NATIONAL TECHNICAL UNIVERSITY OF ATHENS

Georgios Stamatakos

Research Professor

14 May 2015

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

EUROPEAN RESEARCH AND PROJECT OFFICE GMBH

Signature

Jörg Scherer

Managing Director

Date 18/05/2015

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

UNIVERSITAET DES SAARLANDES

Signature

Prof. Thorsten Herfet

Vice-President for Research and Technology Transfer

Date: 20.05.2015

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

KATHOLIEKE UNIVERSITEIT LEUVEN

Signature

Paul Van Dun

General Manager KU Leuven R&D

Date: 1 0 JUNI 2015

Signature

Elke Lammertyn

Head of European Projects

Date:

1 0 JUNI 2015

K.U.LEUVEN RESEARCH & DEVELOPMENT
Waalstraat 6 - bus 5105
BE-3000 Leuven

For approval:

Signature

Profesor Steven De Vleeschouwer

Date: 8th june 2015

CHIC
Computational Horizons in Cancer

6. Signatures of the Parties
AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below. |
| UNIVERSITY OF BEDFORDSHIRE

Signature   _[signature]_
[Name] DR NICHOLAS LANCASTER
[Position] DIRECTOR, INNOVATION &
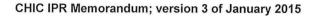ENTERPRISE SERVICE

Date   24.06.15 |

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

THE UNIVERSITY OF SHEFFIELD

Signature

Deborah Lodge
Head of Operations
Research and Innovation Service
University of Sheffield

12 May 2015

Date

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS

Signature

Constantine Stephanidis

Director, ICS-FORTH

Date: O8 May 2015

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER

GOTTFRIED WILHELM LEIBNIZ
UNIVERSITÄT HANNOVER
Das Präsidium
Welfengarten 1
30167 Hannover

Signature

[Name]   Henning Howind

[Position] Regierungsdirektor
          Dezernent Finanzen

GOTTFRIED WILHELM LEIBNIZ
UNIVERSITÄT HANNOVER
Das Präsidium (s·zu)
Im Auftrage

Date 24.06.2015

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA

Signature

Adam P. Rifkind

Associate Director, Pre-award

Office of Research Services

6/10/15

Date

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

Signature

Name
Position

Date

Barbara Murray
Head of Research Services
Science Area
University of Oxford

30/6/15

CHIC
Computational Horizons in Cancer

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

UNIVERSITA DEGLI STUDI DI TORINO

Signature
[Prof. G.C. Panzica]
[*Director of the Dept of Neuroscience*]

Date: May 15,2015

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

UNIVERSITAET BERN

Signature:

Prof. Dr. Martin Täuber

Rector

18.5.2015

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.
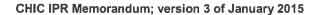
CUSTODIX NV

Signature

Brecht Claerhout

CEO

18/5/2015

Date

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

PHILIPS ELECTRONICS NEDERLAND B.V.

Signature

Henk van Houten

General Manager Philips Research

Date   24 /6/ 2015

CHIC

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

UNIVERSITY COLLEGE LONDON

Signature

Michael Browne

Head of European Research and Innovation

Date: 19/05/2015

CHIC

6. Signatures of the Parties
AS WITNESS: The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.
CONSORZIO INTERUNIVERSITARIO CINECA **C I N E C A** CONSORZIO INTERUNIVERSITARIO IL PRESIDENTE *(Prof. Ing. Emilio Ferrari)* *Prof Ing. Emilio Ferrari* *President*   08 May 2015

6. Signatures of the Parties

AS WITNESS:

The Parties have caused this Memorandum to be duly signed by the undersigned authorised representatives in separate signature pages the day and year as indicated below.

TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CRETE

Prof. M. Tsiknakis
Vice-Rector for Research

29 May 2015