

► International Academic Workshop Medical Informatics Trends and Perspectives Santiago de Chile - Heidelberg 2018



UNIVERSITÄT
HEIDELBERG
HEIDELBERG CENTER
PARA AMÉRICA LATINA

Health Information Systems,
Telemedicine, Digital Pathology,
Human Capital Formation, National
and International Programs



UNIVERSIDAD
DE CHILE



Universidad
de Concepción

12-14 November 2018
Heidelberg Center para América Latina, U-Chile, & U-
Concepción



Telmed-UdeC
Unidad de Telemedicina
Universidad de Concepción



TELEMEDICINA
UNIVERSIDAD DE CHILE



CIMT
CENTRO DE
INFORMÁTICA MÉDICA
Y TELEMEDICINA



CENS
CENTRO NACIONAL EN SISTEMAS
DE INFORMACIÓN EN SALUD



BNI
BIOMÉDICA NEUROCIENCIAS
CHILE

OBJECTIVES	2
ACADEMIC DIRECTORS	2
PROGRAM: INTERNATIONAL ACADEMICS WORKSHOP IN MEDICAL INFORMATICS	2
DAY 0: SUNDAY, NOVEMBER 11 TH 2018	3
DAY 1: MONDAY, NOVEMBER 12 TH 2018 (HEIDELBERG CENTER FOR LATIN AMERICA).....	3
DAY 2: TUESDAY, NOVEMBER 13 TH 2018 (HOSPITAL CLÍNICO U-CHILE, HCUCH).....	4
DAY 3: WEDNESDAY, NOVEMBER 14 TH 2018 (U-CONCEPCIÓN).....	5
ORGANIZERS	6
PARTICIPANTS	6
INTERNATIONAL PARTICIPANTS	6
NATIONAL PARTICIPANTS	7
CENTER FOR MEDICAL INFORMATICS AND TELEMEDICINE CIMT & TELEMEDICINE HCUCH, FACULTY OF MEDICINE, U-CHILE?	
NATIONAL CENTER FOR HEALTH INFORMATION SYSTEMS CENS	8
AUTHORITIES.....	8
PATHOLOGIST.....	9
TELEMEDICINE UNIT AND U-CONCEPCIÓN.....	9
LOCATIONS/ ADDRESS	10
PARTICIPATING INSTITUTIONS AND LABORATORIES.....	11

Objectives

- International and Regional Networking: Foster Collaborative Projects in Medical Informatics: Research, Innovation, and Education.
- Telemedicine and Teleanalysis: Present and Future Perspectives.
- Human Capital Formation: From Competences to National and Regional Profiles.
- Elaborate Future Perspectives: Collaborative Initiatives in Medical Informatics between Europe and Latin America.
- Networking and brainstorming to promote the Medical Informatics in Latin America.

Academic Directors

Steffen Härtel, Prof, Dr rer nat.

SCIAN-Lab, Center for Medical Informatics and Telemedicine CIMT, Faculty of Medicine, University of Chile
shartel@med.uchile.cl

Hartmut Dickhaus, Prof, Dr.-Ing.

Institute of Medical Biometry and Informatics, Department of Medical Informatics, University of Heidelberg
hartmut.dickhaus@med.uni-heidelberg.de

Program: International Academics Workshop in Medical Informatics

	Day 1 12.11.2018 Heidelberg Center	Day 2 13.11.2018 Hospital Clínico U-Chile HCUCH	Day 3 14.11.2018 U-Concepción
8:30 – 9:00	Registration		
9:00- 10:30	Session I Research, Innovation, and Education within the National / Regional Context	Session V Telemedicine	Session VII Human Capital
Coffee			
11:00-12:30	Session II Research, Innovation, and Education within the National / Regional Context	Session VI Track A: Telemedicine Track B: Health Information Systems	Session VIII Telemedicine
Lunch			
14:00-16:30	Session III Health Informations Systems		Session IX Visit to Biomedical Laboratory and/or Telemedicine Unit
Coffe		Transfer to Airport (SCL)	
16:00 – 17:30	Session IV Competence Framework Workshop	Flight Santiago - Concepción	
18:00 – 19:00	Get Together		Flight Concepción - Santiago

Day 0: Sunday, November 11th 2018

O

Arrival of participants in Santiago

Day 1: Monday, November 12th 2018 (Heidelberg Center for Latin America)

I

08:30 – 9:00

Registration

9:00 – 09:30

Welcome Message

Steffen Härtel, U-Chile

Authorities

Walter Eckel, HCLA

Susanne Reischmann, DAAD

Eduardo Vera, Director of International Affairs, U-Chile

Hartmut Dickhaus, U-Heidelberg

9:30 – 10:30

Session I: Rodrigo Martínez, U-Chile

Medical Informatics in Latin America I

Research, Innovation, and Education within the National / Regional Context

9:30 – 9:50

Hartmut Dickhaus, University of Heidelberg (Germany)

9:50 – 10:10

Luis Acevedo Arroyave, University of Antioquia (Colombia)

10:10 – 10:30

Jorge Alberto Valle, National Aautonomous University of Honduras (Honduras)

10:30 – 11:00

Coffee

II

11:00 – 12:30

Session II: Paulina Ruiz, U-Chile

Medical Informatics in Latin America II

Research, Innovation, and Education within the National / Regional Context

11:00 – 11:20

Andrés Navarro Cadavid, University ICESI (Colombia)

11:20 – 11:40

Steffen Härtel, University of Chile (Chile)

11:40 – 12:00

Karen Pesse, Public Health Institute of the Pontificia Universidad Católica del Ecuador (Ecuador/Chile/Alemania)

12:00 – 12:20

Networking Activities

12:30 – 14:00

Lunch

III

14:00 – 15:30

Session III: Hartmut Dickhaus, U-Heidelberg

Health Informations Systems

14:00 – 14:30

Matthias Gazinger, “Health Data Management”, University of Heidelberg

14:30 – 15:00

Rodrigo Martínez, “Health Information Systems: Chilean Experiences”, University of Chile

15:00 – 15:30

Niels Grabe, "Digital Pathology", TIGA - University of Heidelberg (videoconference)

15:30 – 16:00

Coffee

IV

16:00 – 17:30

Session IV: Sandra Gutiérrez, CENS

Human Capital

Sandra Gutiérrez, Competence Framework in Medical Informatics Workshop, CENS

Workgroups on Domains and Competences of the National Human Capital Qualification Framework

Invited people: Government funding: applications/rules/benefits”, DAAD/Corfo/VID

17:30 – 18:00

Networking Activities for LA-EU: Human Capital Formation: Toward a Regional Human Capital Qualification Framework

18:00 – 19:00

Get Together

Day 2: Tuesday, November 13th 2018 (University of Chile Clinical Hospital, HCUCH)

V	09:00 – 10:30	Telemedicine in the University of Chile Clinical Hospital (HCUCH)
	9:00 – 9:15	Patricia Gómez , HCUCH, U-Chile Rómulo Fuentes , F-Med, U-Chile
		Session V: Víctor Castañeda, CIMT/HCUCH, U-Chile Projects HCUCH I
	9:15 – 9:30	Silvia Castillo , “Design of a telegenetic protocol to assist the process of diagnosis and registration of newborns with congenital anomalies in the Región de los Lagos and Arica and Parinacota”
	9:45 – 10:00	Graciela Rojas , “Design and piloting of a telepsychiatry service to improve mental health care for children and adolescents with violated rights and/or subject to the law of adolescent criminal responsibility”
	10:00 – 10:15	Mauricio Cerda , “Home balance training through telemedicine and educational video games in people with cerebrovascular disease”
	10:15 – 10:30	Gonzalo Cárdenas , “Binding radiology: dynamics of a collective construction”
	10:30 – 11:00	Coffee
VI		Session VI: TRACK A & TRACK B
	11:00 – 12:30	TRACK A: Telemedicine II (HCUCH) Projects HCUCH II: María Loreto Rodríguez, HCUCH/CIMT, U-Chile
	11:00 – 11:15	María Alejandra Palma , “Telemedicine applied to palliative care in Chile: implementation and evaluation of the first interregional palliative care telecommittee”
	11:15 – 11:30	Iván Gallegos , “To telemedicine: Insertion of the technologies of virtual microscopy and digital pathology in the workflow of the Service of Pathological Anatomy and Tissue Biobank of the Clinical Hospital of the University of Chile”
	11:30 – 11:45	Mónica Niveló/Marla Solari , “Telemedicine in Cristo-Vive Primary Healthcar Center”, U-Chile/Cristo-Vive
	11:45 – 12:05	Angélica Avendaño , “Ten years of Telemedicine in University of Concepción”, UDEC
		Business Experience
	12:05 – 12:25	Carlos Ainsa , “AccuHealth: Telemonitoring of cronic patients, real-time interventions”, AccuHealth
	12:25 – 12:45	Edgardo Escobar , “Teleelectrocardiograph in Chile, 15 years of experience”, ITMS
	12:45 – 13:00	Discussion/Cooperation ideas
		TRACK B: Health Information Systems (BNI Building)
	11:00 – 12:30	CENS: National Center for Health Information Systems
	11:00 – 11:20	Camilo Erazo , “Nacional Center for Health Information Systems - towards a connected an innovative health system.”
	11:20 – 11:40	Francisco Correa , “Chilean Pharmaceutical Terminology: the challenge of creating a high quality shared language”
	11:40 – 12:10	Jorge Mansilla , “CENS TechConnect - capacity building for interoperability”
12:10 – 12:45	Discussion/Cooperation Ideas	
	13:00 – 14:30	Lunch
	15:00 – 16:00	Transfer to Airport (SCL)
	17:00 18:00	Flight Santiago - Concepción
	18:00 – 19:00	Transfer to Hotel

Day 3: Wednesday, November 14th 2018 (U-Concepción)

VII	09:00 – 09:15	Welcome to Concepción Message Authorities Telemedicine Unit
	09:15 – 10:15	Session VII Human Capital CENS Session Steffen Härtel / Sandra Gutiérrez, “National Human Capital Qualification Framework in Chilean Health Information Systems” Discussion
	10:15 – 10:40	Coffee
VIII	10:40 – 12:30	Session VIII: Angélica Avendaño, UdC Telemedicine: National and International Networks
	10:40 – 11:00	Claudio Maggi, “University of Concepcion: present and future challenges regarding professional skills and innovation in Health”, UDEC
	11:00 – 11:20	Felipe Parada, "Development of Telemedicine in UdeC, Chile", UDEC
	11:20 – 11:40	María Loreto Rodríguez, “National Telemedicine Registry / Registro Nacional de Telemedicina”, CIMT/HCUCH
	11:40 – 12:00	Luis Acevedo Arroyave, “Telemedicine in Antioquia”, University of Antioquia
	12:00 – 12:30	Paulina Ruiz, “Interoperability in the laboratory information system: a new challenge in Chilean laboratory medicine”, University of Chile
	12:30 – 14:30	Transport to Luch Location Lunch @ To confirm
IX	15:00 – 16:00	Session IX Visit to Biomedical Laboratory and/or Telemedicine Unit (Pablo Aqueveque)
	16:00 – 18:00	Guided tour of the University Quarter UdeC / Visit City
	19:30	Transfer to Airport (CCP)
	21:00	Flight Concepción - Santiago
	22:00	Arrival to Santiago (SCL)

Organizers

Igor Nova

Institut Medical Biometry und Informatics, Section Medical Informatics, University of Heidelberg
igor.nova@uni-heidelberg.de

Jimena López-Cayo

Center for Medical Informatics and Telemedicine CIMT, Faculty of Medicine, University of Chile
jlopez@cimt.uchile.cl

Carla Carrasco

Center for Medical Informatics and Telemedicine CIMT, Faculty of Medicine, University of Chile.
ccarrasco@u.uchile.cl

Marcela Aguirre

Center for Medical Informatics and Telemedicine CIMT, Faculty of Medicine, University of Chile
maguirrejz@uchile.cl

Angelica Avendaño

Telemedicine Unit, University of Concepción
aavenda@gmail.com

María Loreto Rodríguez

Center for Medical Informatics and Telemedicine CIMT, University Hospital of Chile, University of Chile
mrodriguez@hcuch.cl

Participants

International Participants

Luis Acevedo Arroyave

Vice-Dean Faculty of Medicine, University of Antioquia, Colombia.
vicedecanomedicina@udea.edu.co

Matthias Ganzinger

Researcher, Institute of Medical Biometry and Informatics IMBI, Department of Medical Informatics, U-Heidelberg, Germany.
Matthias.Ganzinger@med.uni-heidelberg.de

Niels Grabe

Director of Tissue Imaging & Analysis Center (Tiga Center) U-Heidelberg, Co-Funder in Centauron.net, Germany.
Niels.Grabe@bioquant.uni-heidelberg.de

Andrés Navarro Cadavid

Department of Information and Communication Technology, Universidad ICESI, Cali, Colombia.
anavarro@icesi.edu.co

Karen Pesse

Public Health Institute, Pontificia Universidad Católica de Ecuador, Ecuador.
kpesse@puce.edu.ec

Jorge Alberto Valle Reconco

Dean, Faculty of Medical Sciences, Universidad Nacional Autónoma de Honduras (UNAH), Honduras.
jorge_valle@unah.edu.hn

National Participants

Center for Medical Informatics and Telemedicine CIMT & Telemedicine HCUCH, Faculty of Medicine, U-Chile

Mauricio Cerda

Center for Medical Informatics and Telemedicine CIMT, U-Chile
mauriciocerda@med.uchile.cl

Victor Castañeda

Department of Medical Technology / Center for Medical Informatics and Telemedicine CIMT / HCUCH, U-Chile
vcastane@gmail.com

Eugenia Díaz

Institute of Biomedical Sciences ICBM, U-Chile
eudiaz@med.uchile.cl

Sandra de la Fuente

Center for Medical Informatics and Telemedicine CIMT, U-Chile
sdelafue@ing.uchile.cl

Patricia Gómez

Academic Director, HCUCH
pgomez@hcuch.cl

Rodrigo Martínez

Center for Medical Informatics and Telemedicine CIMT, U-Chile
epi21@uchile.cl

Paulina Ruiz

Department of Medical Technology / Center for Medical Informatics and Telemedicine CIMT, U-Chile
paruiz@uchile.cl

Mónica Niveló

Department of Primary Health Care
mnivelo@med.uchile.cl

Marla Solari

Director; Primary Health Care Clínic
Cristo Vive Foundation
msolari@fundacioncristovive.cl

Inta Rivas

Coordinator of Transdisciplinary Network Unit of Vice-presidency of Research and Development, U-Chile
inta.rivas@uchile.cl

National Center for Health Information Systems CENS

Camilo Erazo

National Center for Health Information Systems CENS
cerazo@cens.cl

Rosa Figueroa

National Center for Health Information Systems CENS
U-Concepción
rfigueroa@cens.cl

Sandra Gutierrez

National Center for Health Information Systems CENS
sgutierrez@cens.cl

Camila Valderrama

National Center for Health Information Systems CENS
c.valderrama.vega@gmail.com

Francisco Correa

National Center for Health Information Systems CENS
fcorrea@cens.cl

Jorge Mansilla

National Center for Health Information Systems CENS
jmansilla@cens.cl

Francisco Campos

Consultant, National Center for Health Information Systems CENS
franciscocamposp@gmail.com

Authorities

Silvia Núñez

Director of Research, Vice-presidency of Research and Development, U-Chile
esvera@u.uchile.cl

Eduardo Vera

Director of International Affairs, U-Chile
esvera@u.uchile.cl

Rómulo Fuentes

Director of Research of the F-Med, U-Chile
romulo@neuro.med.uchile.cl

Claudio Maggi

Director Innovation and Development, U-Concepción
cmaggi@udec.cl

Susanne Reischmann

Director DAAD, Chile
reischmann@daad.cl

Luciana Becquard

CORFO, Chile

luciana.becquard@corfo.cl

Pathologist

Hellmar Konrad

Pathologist, Hospital de Osorno

hkonrad@gmail.com

Telemedicine Unit and U-Concepción

Felipe Parada

Telemedicine Unit, U-Concepción

felipeparadah@gmail.com

Private Companies

Carlos Ainsa, CTO, AccuHealth

cainsa@accuhealth.cl

Edgardo Escobar, Cardiology Medical Director, ITMS

e.escobar@itms.cl

Locations/ Address

Heidelberg Center para América Latina

Las Hortensias 2340, Providencia,
Santiago de Chile



Faculty of Medicine & Hospital Clínico de la Universidad de Chile

Independencia 1027 & Santos Dumont 999, Independencia, Santiago de Chile.



Anatomy Building, Faculty of Medicine, Universidad de Concepción

Barrio Universitario s/n, Concepción, Chile.



Participating Institutions and Laboratories

