



| International Conference on Early Childhood Education Science

Science Since Birth

UMANRESA | UVIC-UCC

Wednesday, July 5th

8'00-9'30 Registrations

FUB1 _Sala d'actes/ event's Hall (second floor)

Address: Avinguda Universitària 4-6. Manresa

09'30-10'00 Opening ceremony

FUB1 _Sala d'actes/ event's Hall (second floor)

10'00-11'00 Lecture: " Enseñar distinto: invitar a los niños a la aventura del pensamiento " by Melina Furman

FUB1 _Sala d'actes/ event's Hall (second floor)

Simultaneous translation

11:00-11'30 coffee break

FUB1_ cafeteria (ground floor)

11'30-13'00 Session A. Academic papers.

Group 1.

FUB1 _Sala d'actes/ event's Hall (Simultaneous translation)

Scientific competence 0 to 8 years

Adult intervention determines the development of science skills development
Napal, María; Vázquez Bienzobas, Lara; Zudaire Ripa, Isabel; Uriz Doray, Irantzu
Universidad Pública de Navarra

Analysis of paper records of school science activities for early childhood education
Farina, Julieta; Rassetto, María Josefa
Universidad Nacional del Comahue, Facultad de Ciencias de la Educación

Development of scientific thinking at 0-3 years of age: a systematic review
Vázquez Carrasco, Loli; Sánchez Gómez, Carla
Universitat de Manresa



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First steps of engineering design in kindergarten: a case study approach

Uriz Doray, Irantzu; Garde Mendivil, Irazu; Novo Molinero, Maite; Zudaire Ripa,

Isabel; Napal Fraile, María

Universidad Pública de Navarra

Group 2.

FUB 1_ Classroom 207

Inclusive Scientific Education + Scientific competence 0 to 8 years

The Riverside Community Living Lab as an experience of inclusion through science

Navarro-Rupérez, Miryam; Lemkow-Tovias, Gabriel; Sort, Lluïsa

Umanresa

Young children's creative products in a STEAM project

Fernández Monteiro, Sabela; Picallo Díaz, Paz; Saavedra Martínez, Enrique Manuel

Universidade de Santiago de Compostela

Inclusive science education in infant school: obstacles and barriers to overcome.

Lefterov, Petar Vasilev; Cotza, Valeria; Pezzotti, Antonella; Granata, Marta

University of Milano – Bicocca

Reflections on emerging science in children between 2 and 4 years

Giordano, Enrica; Rossi, Sabrina; Testa, Marco; Onida, Monica

Universidad Milano Bicocca

Group 3.

FUB 1_ Classroom 101

Initial and permanent training of Early Childhood Education Science educators + Responding to 2030 challenges

Analysis of an inquiry-based sequence with Early Childhood teacher trainees

Castiñeira Rodríguez, Nuria; Cantó Doménech, José; Lorenzo Rial, María A.; Blanco

Pérez, Carla; Varela Losada, Mercedes; Pérez Rodríguez, Uxío

Universitat de València



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The school pond: the experience in the faculty of education and in several schools in the Basque Country

Sanz Alonso, Josu; Caño Perez, Lidia; Ibarzabal, Patxi; Rekondo, Zaine; Amundarain, Eider

Universidad del Pais Vasco UPV/EHU

The use of STEM in early childhood: what do future teachers think about it?

Cantó Doménech, José; de Pro Chereguini, Carlos; Marín Porta, Almudena; Viana Sánchez, José

Universitat de València

Too difficult? breaking down prejudices around computational thinking in early childhood education

Napal, María

Universidad Pública de Navarra

13'00-14'30 Lunch al Gretta

Gretta Gogo

Address: Carrer Barcelona, 75. Manresa

14'30-16'00 Session B. Lab visits

FUB4

16'00-16'15 coffee break

FUB1_ cafeteria (ground floor)

16'15-17'45 Session C. School Experiences.

Group 1

FUB4_Classroom 2_7

Experiencias sobre la flotabilidad de objetos macizos

García-Rodeja Gayoso, Isabel; Lorenzo Flores, María; Rodríguez Rouco, Estefania Vera; Sesto Varela, Vanessa

Universidade de Santiago de Compostela



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¿Y si sembramos nativas? Educación Basada en Restauración en un Jardín de Infantes de Argentina

Farina, Julieta; Rassetto, María Josefa

Universidad Nacional del Comahue, Facultad de Ciencias de la Educación

La taula de llum com a projecte transversal d'escola

Jané Lligé, Maria Rosa; Montero Calderón, Ana Maria; Galvez Rebollo, Maria Pilar;

Sebastian Noguera, Alba; Martínez Rubio, Ester; Folk Riba, Sandra; Mas Cleries...

Escola Andersen

Mirando al cielo en educación infantil

López García, Juana; Paños, Esther; García Fernández, Beatriz; Ruiz-Gallardo, José-

Reyes

Universidad de Castilla-La Mancha

Group 2

FUB4_Classroom 2_8

Pañales científicos: Una experiencia vivencial contextualizada al aula de 2 años

Marín Porta, Almudena; Ortiz Hernández, M. Lluïsa; Viana Sánchez, José; Cantó

Doménech, José

Universitat de València

Els petits també fem ciència

Chiveli Bada, Dolors; Novo Molinero, Anna; Salcedo Mena, Maria Angeles

Ajuntament de Tarragona

Dues activitats Educatives referents en la didàctica de la ciència i la tècnica per a infants de 0 a 6 anys en museus.

Serra Giménez, Eudald; Font Guiteras, Esther

Parc de la Séquia

Rediseño de la actividad de la caja negra realizado por futuros docentes de educación infantil

Álvarez-Herrero, Juan-Francisco; Valls-Bautista, Cristina

Universidad de Alicante



Group 3

FUB4_Library (ground floor)

Quan el problema és explicar la llum a educació infantil: Experiència d'investigació a l'Escola Montserrat

Martín-Ferrer, Laura; Garcia Carrero, Cristina; Grau Torre-Marin, Víctor
Universitat de Vic-Universitat Central de Catalunya

La ciencia y el agua en la vida cotidiana de la escuela de infantil de 0-3 años.

Valdés, Núria

UManresa

El paper de la mestra al Lab 0_6

Llebaria Ferrer, Marta; Sandoval, Cristina; Fernández Mateo, Antònia; Hinojo Rojas, Anna

Umanresa

Estudio sobre el impacto de la transferencia en actividades de ciencia con niñas y niños de origen magrebí y sus familias

Rachdi Errachdi, Mounia

CSF NANA

Group 4

FUB4_GEO space (first floor)

Implementation of LAB06 in PYP Early Years at St Peter's School in Barcelona

Smolenski, Krystyna

St Peter's School

Implementing the powerful ideas of computer science through culturally relevant pedagogy in the early classroom

Thompson, Hannah Rae; Caudle, Lori Allison; Harper, Frances K.; Quinn, Margaret
Ferguson; Partnership, The CRRRAFT

University of Tennessee, Knoxville

Constructing an educational curriculum on inclusive science education

Biesmans, Annick; Rosiers, Marleen; Laenen, Inge; Malisse, Bram

Erasmus Brussels University of Applied Sciences and Arts

“Leafs-eating” silkworms: an experience in ECEC

Pezzotti, Antonella; Acquaviva, Debora; Lefterov, Petar Vasilev

Bambini Bicocca Srl



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17'45-18'15 time to move: walk to the City Council of Manresa

18'15-20'00 Tourist visit to Manresa ending with the taste of Pelegrí (wine, “dolç del Pelegrí” and “espetec”).

Meeting place: Manresa Tourist Office, Plaça Major, 10.



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Thursday, July 6th.

8'30-9'00 Registrations

FUB1 _Sala d'actes/ event's Hall (second floor)

9'00-10'30 Session D. Academic papers.

Group 1

FUB1 _Sala d'actes/ event's Hall

Simultaneous translation

Initial and permanent training of Early Childhood Education Science educators

How do prospective teachers approach an interview to find out the ideas of children's learners?

De Pro Chereguini, Carlos; Robles Moral, Francisco Javier; Cantó Doménech, José
Universidad de Murcia

Impact of teachers' emotions on the teaching planning of the scientific areas in childhood education

Praderio, Florencia Natalia; Furman, Melina G.; Costillo, Emilio; Ayuso Fernández, Enrique G.

CENTRO UNIVERSITARIO ISEN

Early childhood teachers in training communities

Tuay Sigua, Rosa Nidia; Giordano, Enrica; Valencia Valbuena, Fredy Gregorio

Universidad Pedagógica Nacional

Perspectives in science education: Educators' perceptions and professional development experiences

Grist, Cathy Lauren; Quesada-Pallarès, Carla; Lemkow, Gabriel; Haldon, Jessica; Caudle, Lori; Thompson, Hannah; Watson, Myra

Western Carolina University



Group 2

FUB 1_ Classroom 207

Responding to 2030 challenges + Inclusive Scientific Education

My first Green Museum. A taxonomical proposal of nonfiction picturebooks on Botany
Portalés Raga, Matilde; Sendra Mocholí, Cristina; Mínguez López, Xavier
Universitat de València

Teachers Facing the Challenges of the 21st Century: The Role of Socio-environmental
Issues

Nieto-Ramos, Marina; Rodríguez-Marín, Fátima; Puig Gutiérrez, María
Universidad de Sevilla

Child participation in science learning helps 3-4 year olds to encode relations between
everyday entities

Hristova, Penka Yordanova; Koltcheva, Nadia; Mateeva, Antoaneta; Ivanova-
Schindarska, Tsvetina; Mikova, Emilia
New Bulgarian University

Professional development research in childhood for the inclusiveness of school
contexts

Cotza, Valeria; Porcheddu, Alessandro; Vimercati, Simonetta; Zecca, Luisa
University of Milano-Bicocca

10'30-11'00 coffee break

FUB1_ cafeteria (ground floor)

**11'00-12'00. Lecture: "Creating structures for children's embodied engagement in
science: the value of time and space for meaning-making" by Chris Siry**

FUB1 _Sala d'actes/ event's Hall

Simultaneous translation



12'00-13'00 Session E. Posters

FUB4 library + second floor

Inclusive science education in the early years

Darvay, Sarolta; Nyitrai, Agnes

J. Selye University Faculty of Education

Creation of digital stories with Early Childhood Preservice Teachers in order to explore the natural environment

Fabre Mitjans, Noëlle; Calafell Subirà, Genina; Entrena Ortega, Sandra

Universitat de Barcelona

Plant awareness: drawing to learn about plant anatomy, development, and diversity.

Eugenio-Gozalbo, Marcia; Ortega-Cubero, Inés

Universidad de Valladolid

Science Week a formative proposal for future early childhood teachers

Vega Agapito, M^a Victoria; López Luengo, M^a Antonia; Bautista Puente, Nuria

Universidad de Valladolid

Connecting school to university through the assessment of degree students

López-Luengo, María Antonia; Galindo, Sara; Vega Agapito, María Victoria

Universidad de Valladolid

Ten years of science workshops: a university-school experience

Sanz Alonso, Josu; Otaegi Garmendia, Oihane; Eleta Lopez, Aitziber; Sistiaga Poveda, Maialen

Universidad del Pais Vasco UPV/EHU

El Niu Volant, ciències naturals del Museu a l'escola bressol

Olmeda Jato, Montse; Boix Garcia-Cairó, Greta; Ballester, Montse

Museu de Ciències Naturals de Barcelona / Nusos Cooperativa

Science education in Early Childhood Teacher Education: initial student's social representations

Calafell Subirà, Genina; Fabre Mitjans, Noelle; Esparza Pagès, Mireia

Universitat de Barcelona

What do Early Childhood trainee teachers think of a science subject? A preliminary study.

Tierno, Sandra Pilar; Pina, Tatiana; Esteve, Anna R.

Universitat de València



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TecnoLAB. Technology on wheels

Sabido-Codina, Judit; Pedreira, Montserrat; Lemkow-Tovias, Gabriel; Vázquez-

Carrasco, Loli; Lázaro, Mar; Arola, Anna

Umanresa

13'00-14'30 Lunch al Gretta

Gretta Gogo

Barcelona street, 75

14'30-15'45 Session F1. Workshops (simultaneous sessions)

¿Dónde estáis matemáticas? El desarrollo de las matemáticas intuitivas e informales de los 0 a los 3 años.

Olmos Martinez, Glòria

Escoles Bressol Municipals de Vic

FUB4_classroom 2_7

Hacer y no hacer... en ciencia desde el nuevo currículum. Esa es la cuestión.

Marín Porta, Almudena; Viana Sánchez, José; Ortiz Hernández, M. Lluïsa; de Pro

Chereguini, Carlos; Cantó Doménech, José

Universitat de València

FUB4_GEO space (first floor)

Integrating computational thinking into young children's daily educational experiences:

Insights from a U.S. robotics program

Caudle, Lori Allison; Thompson, Hannah Rae; Quinn, Margaret Ferguson; Harper,

Frances K; Partnership, The CRRRAFT

The University of Tennessee

FUB4_classroom 2_9

Discovering insects' beauty through drawing

Ortega Cubero, Inés; Eugenio Gozalbo, Marcia

Universidad de Valladolid

FUB4_classroom 2_8



15'45-16'15 coffee break

FUB1_ cafeteria (ground floor)

Session F2. Workshops (simultaneous sessions) 16'15-17'30

Els materials de la natura: font inesgotable de propostes de ciència inclusiva

Olmeda Jato, Montse; Boix Garcia-Cairó, Greta

Museu de Ciències Naturals de Barcelona / Nusos Cooperativa

FUB4_ classroom 2_7

Temps de canvi: Conversant amb la pluja.

Gual Oliva, Marta; Dalmau Portulas, Fàtima; Mulà Pons de Vall, Ingrid

Universitat de Girona

FUB4_GEO space (first floor)

Re educa: un laboratorio de ideas

Mas Parera, Maite; Martin, Almudena

Re Educa /Universitat Autònoma de Barcelona

FUB4_ classroom 2_8

Plantas, mis queridas amigas: Talleres para indagar en educación infantil

Trompeta Carpintero, Antonia

SCIENTIX EU

FUB4_ classroom 2_9

19'30: departure from the bus to the Conference dinner

Avinguda Universitària, in front of Mercadona

20'00-23'00 Conference dinner

Món Sant Benet. Sant Benet de Bages



Friday, July 7th

09.30. Session G. Roundtables

Before, during, and after: Field trips as meaningful connections to science learning

Watson, Myra Keener; Grist, Cathy Lauren

Western Carolina University

FUB1_classroom 207

Science education from 0 to three years old: challenges and questions from the alliance between educational agents.

Canelo Calle, Jesús; Calafell Subirà, Genina; Banqué Martínez, Neus

Blanquerna - Universitat Ramon Llull

FUB1 _Sala d'actes/ event's Hall

Learning and Discovery in contexts of diversity: Opportunities, barriers and teachers' competences

Janoska, Franz; Oliveros Masakoy, Cristina; Lefterov, Petar Vasilev; Navarro-Rúper, Miryam; Diana Reinoso Botsho

Diana Reinoso Botsho

FUB1_classroom 101

11'00-11'30 coffee break

FUB1_cafeteria

11'30-13'00. Session H. Taste of workshops

The space of light as a space of science

FUB4_Observation space

Air/wind box

FUB4_ Library (ground floor)

Knowing the Quibot

FUB4_classroom 2_9

Inside the box

FUB4_classroom 2_7

13'00. Closing ceremony with prize giving

FUB1 _Sala d'actes/ event's Hall