Università degli Studi di Firenze

Doctoral Programme in "Education Sciences and Psychology"

Cycle …….
Coordinator: Prof.ssa Simonetta Ulivieri

PhD Student: Marta Pellegrini

Year: third

Tutor: prof. Antonio Calvani

Scientific Sector (SSD): M-PED/04

Research (title of the Thesis, if available): What information for an Evidence-Based Education? A study on the

reliability of meta-analyses

The aim of the study is to evaluate how different inclusion criteria in meta-analyses affect the conclusions of the reviews and the reliability of the method itself. I have analyzed the meta-analyses on primary and secondary reading and math of two research centers, the What Works Clearinghouse and the Best Evidence Encyclopedia, and how five features affect Effect Size – sample size, Randomized Controlled Trials vs matched studies, Researcher-made measures, duration of the studies, and post-hoc design.

Study abroad	University: Johns Hopkins University
	Period: 01 October 2016 – 01 April 2017
	Goal/s:
	- learning how to do meta-analyses and best evidence synthesis
	- carrying out best evidence synthesis published in the Best Evidence Encyclopedia
	- member of main development team of the project Evidence for ESSA (www.evidenceforessa.org).
Meeting & Seminars: Participation	15.05.2017 Education as a science. What information can the research offer to decision-makers? University of Florence.
	24.05.2017 Evidence-Based Reform. University of Liege, Liege, Belgium.
	28.04.2017 Technologies for learning. If are useful, when, where and how. University of Florence.
	06-07/10/2016 The Coleman Report at 50. Johns Hopkins University, Baltimore, US.
	14-15.04.2016 Teacher professionalism. Research and practice. University of Bari.
	21/03/2016 What we know about school self-evaluation. University of Florence.
	07/03/2016 Cosa sappiamo su quali sono i metodi didattici più efficaci. University of Florence.

	25.01.2016 Teaching to read. Which is the best method? University of Florence. 10/11.12.2015 Building-up professional in education and care: the penitentiary and higher education. University of Florence. 9.12.2015 What we know of the Shoah? Students and teachers in front of the complexity of multicultural societies. University of Florence. 20/21.11.2015 Integrating scientific research with the wisdom of the practice. Evidence Based Education in Italy. University of Florence. 19.09.2015 Accessibility for inclusion: special education and technologies. University Cattolica del Sacro Cuore. 21.03.2015 CEMEA-Senza Zaino Conference. CEMEA, University od Florence. 20.11.2014 Pre-service teacher education. University of Roma Tre. 13.09.2014 "Primaria oggi": complexity and teacher expertise. University of Florence, GiuntiScuola editor. 01.03.2014 How to improve teaching in primary school? Lesson study and video education: international experiences. University of Florence. 29.11.2013 New models of pre-service teacher education and professional development. University of Florence, SIRD.

Summer & Winter Schools: Participation	Date: 11-15 July 2016 Title: EUROPEAN EDUCATIONAL RESEARCH ASSOCIATION - Summer School 2016: Methods and Methodology in Educational Research
Training Course/s	Date: 5-17 July 2015 Title: International Summer Workshop "Shoresh"
Language Certificate/s	Language: Level:
Support Didactic (Workshops, Seminars,…)	Date / period: October 2014-June 2015 didactic of courses: Didattica generale, Metodi e tecniche della didattica, Valutazione e certificazione dei sistemi formativi. Date/period: January 2015-October 2015 Support for the start and conclusion of the internship activities of Master "Le nuove competenze digitali. Open Education, Social e Mobile Learning". Date /period: September 2015-February 2016 Support didactics course of "Specializzazione per il Sostegno" Date / period: October 2015-June 2016 Support didactic of courses: Didattica generale, Metodi e tecniche della didattica, Valutazione e certificazione dei sistemi formativi.

	Date/period: May 2015-February 2016
	Support for the start and conclusion of the internship activities of "Specializzazione per il Sostegno"
	Date/period: February 2016-June 2016
	Support for the beginning and conclusion of the internship activities of Master "Le nuove competenze digitali. Open Education, Social e Mobile Learning".
	Date: 02/04/2016
	Support videoconference of Master "Le nuove competenze digitali. Open Education, Social e Mobile Learning".
	Date: 16/05/2017
	Lesson in the course of Didactis, Title "Literature review in educational research".
	Date: 16/05/2017
	sson in the course of Processi formativi formali e informali, Title "Literature review in educational research".
	Date: Febraury 2017-June 2017
	Support for the beginning and conclusion of the internship activities of Master "Le nuove competenze digitali. Open Education, Social e Mobile Learning" 2016-2017.

	Date: 01/05/2017 - 30/07/2017 Support videoconference of Master "Le nuove competenze digitali. Open Education, Social e Mobile Learning" 2016-2017.
Publications: Books	Title: Publisher: Year:
Publications: Articles in National Journals	Title: Pellegrini, M., Development of the concept of evidence in US educational policies Title of the Journal: *Form@re – Open Journal per la Formazione in Rete* Year: in press Title: Pellegrini, M., Feedback for improvement Title of the Journal: *Scuola Italiana Moderna* Year: in press Title: Neri, A., & Pellegrini, M., The role of phonological awareness for learning how to read: an overview Title of the Journal: *Form@re – Open Journal per la Formazione in Rete* Year: in press

	Title: Calvani, A., Menichetti, L., Pellegrini, M., & Zappaterra, T., La formazione per il sostegno. Valutare l'innovazione didattica in un'ottica di qualità Title of the Journal: *Form@re – Open Journal per la Formazione in Rete, 17*(1), 18–48. Year: 2017 Title: Pellegrini, M. Which research methods for special education? Information from David Mitchell's work Title of the Journal: Form@re – Open Journal per la Formazione in Rete, *16*(3), 163–172. Year: 2016 Title: Moricca, M., & Pellegrini, M. Evidence-Based Education. Ten points of dispute Title of the Journal: Form@re – Open Journal per la Formazione in Rete, *16*(2), 365–373. Year: 2016 Title: Pellegrini, M., & Mensuali, A. The effectiveness of concept maps for learning: critical analysis of empirical evidence Title of the Journal: Form@re – Open Journal per la Formazione in Rete, 15(3), 129–141

	Year: 2015
	Title: Pellegrini, M. Teacher evaluation in OECD countries
	Title of the Journal: Form@re – Open Journal per la Formazione in Rete, 14(4), 105–117
	Year: 2014
	Title: Pellegrini, M. *E*ffective instruction: between school and research Title of the Journal: La vita scolastica, web magazine
	Year: 2014
	Title: Pellegrini, M. For an effective classroom management Title of the Journal: La vita scolastica, web magazine Year: 2014
Publications: Articles in International Journals	Title of the article: Title of the Journal:
Publications: Chapter in edited books	Title of the chapter: Pellegrini, M. Evidence-Based Education and the effectiveness of instructional strategies Book: D. Ianes, S. Cramerotti, N. Capaldo & L. Rondanini, Insegnare domani (pp. 320-323). Trento: Erickson. Year: 2016

Publications: Book Reviews	Book: Pellegrini, M. Geoff Petty, Evidence-Based Teaching. A Practical Approach Journal: Form@re – Open Journal per la Formazione in Rete, 15(2), 241–242 Year: 2016 Book: Moricca, C., & Pellegrini, M. Sigmund Tobias & Thomas M. Duffy, Constructivist Instruction: Success or Failure Journal: Form@re – Open Journal per la Formazione in Rete?, 15(2), 241–242 Year: 2015 Book: Pellegrini, M. Computer Games for Learning. An Evidence-Based Approach Journal: Form@re – Open Journal per la Formazione in Rete, 14(3), 96–97 Year: 2014
Publications: Book Reports	Book: Journal: Year:
Editorial assistant	Series / Journal: Form@re – Open Journal per la Formazione in Rete Period: 2014 - current
Reviewer	Journal:

	Period:
Member of national & international Pedagogical Associations	Association: Sapie – Società per l'apprendimento e l'istruzione informati da evidenza Year/s: 2015/16
Member of national & international Psychological Associations	Association: Year/s:
Other informations	Student grant 5.07.2015 - 17.07.20175 The Feuerstein Institute Description: International Summer Workshop "Shoresh". Course of Feuerstein methods, Instrumental Enrichment (IE) 1 of 2. 1.11.2015 - 31.10.2016 University of Florence Department of Education Science and Psychology Description: Evaluate the effectiveness of educational intervention for special needs teachers from the perspective of Evidence-Based Education (SSD M-PED/03). Member of the organizing committee of the Seminar: "Integrating scientific research with the wisdom of the practice. Evidence Based Education in Italy", University of Florence (20-21.11.2015) Member of the organizing committee of the conference: "Le Tecnologie per apprendere. Se servono, quando, dove e come". University of Florence (28.04.2017)

	Member of the organizing committee of the conference "Istruzione come scienza. Quali indicazioni la ricerca può offrire ai decisori?". University of Florence (15.05.2017)
	Speaker at the conference "Istruzione come scienza. Quali indicazioni la ricerca può offrire ai decisori?". University of Florence (15.05.2017). Title: "Meta-analisi e Best Evidence Synthesis nella ricerca educativa"
	Paper abstract "How Do Different Standards Lead to Different Conclusions? A Comparison between Meta-Anlayses of Two Research Centers" accepted at the "ECER 2017 Conference" - European Educational Research Association.
	Date: 21-25 agosto 2017
	University College UCC, Copenaghen, Danimarca.

Florence, 10.06.2017