

## Mathilde FORT

Date of birth: 11-13- 1985

Nationality: French

Age: 25 years old

PhD student

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### Research Interests

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- **Audiovisual speech perception**
  - in adults, **children** and **infants**
- **Word recognition - lexical access**
  - in adults and **children**
- **Speech perception in adverse conditions (noise)**
  - in adults and **children**

### Education

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- **Since Oct. 2008**      **Ph.D. in Cognitive Psychology (defense day: November 2011), University of Grenoble, France**  
*Topic* : Lexical access in audiovisual speech perception  
*Supervisors* : Sonia Kandel (Pr.) and Elsa Spinelli (Ph.D.)
- **2007-2008**            **Advanced Master's Degree in Cognitive Science (rank = 2<sup>nd</sup>, with High Honours) University of Grenoble, France**  
*Topic*: Lexical access in audiovisual speech perception: A preliminary study.  
*Supervisors* : Sonia Kandel (Pr.) and Elsa Spinelli (Ph.D.)
- **2006-2007**            **Master's Degree in Cognitive Psychology (Honours) University of Grenoble, France**  
*Topic*: Perception of voice assimilation in French: the role of orthographic representations in assimilated word recognition.  
*Supervisor*: Elsa Spinelli (Ph.D.)
- **2003-2006**            **Bachelor's Degree in Psychology, University of Grenoble, France**

## Collaborations

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- **Marcus Auditory Laboratories (babylab)**, University of Western Sydney, Australia: with Pr. Catherine Best and Christine Kitamura.
- **Gipsa-Lab, Dep. Speech and Cognition** : with Christophe Savariaux (Research Engineer) and Lionel Granjon (Research Engineer).
- **University Hospital Center of Grenoble, Center for learning impairments**: with Justine Chipot (Neuropsychologist), Elsa Peiffer et Delphine Lassus (Neuropsychologists).

## Honors

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- **Scholarship** of the University of Grenoble for a research visiting fellowship in the babylab at the University of Western Sydney (August 23<sup>rd</sup> –November 24<sup>th</sup> 2011).
- **Scholarship** of the College center for the training for college teaching (C.I.E.S., 2008-2011).
- **Scholarship** of the Ministry of Education for full salary during (2008-2011).

## Publications

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- **Fort, M.**, Spinelli, E., Savariaux, C., Kandel, S., (2010). The word superiority effect in audiovisual speech perception. *Speech Communication*. 52 (6), 525-532.
- **Fort, M.**, Spinelli, E., Savariaux, C., Kandel, S., (under revision). Audiovisual word recognition in children.
- **Fort, M.**, Kandel, S., Chipot, J., Savariaux, C., Granjon, L., Spinelli, E., (under revision). Visual speech facilitates the early phases of word recognition: Evidence from fragment priming tasks.

## Communications

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- **Poster presentations**
  - **Fort, M.**, Chipot, J., Kandel, S., Savariaux, C., Granjon, L., Spinelli, E., (2011). From lips to lexicon: Does visual speech activate lexical representations? *The 10th International Symposium on Psycholinguistics*, April 13-16 2011, San Sebastian, Spain.
  - **Fort, M.**, Chipot, J., Kandel, S., Savariaux, C., Granjon, L., Spinelli, E., (2010). Can visual information on lip gesture influence lexical processing in speech perception? A phonological priming study. *The 20th International Congress on Acoustics*, August 23-27 2010, Sydney, Australia.
  - **Fort, M.**, Spinelli, E., Savariaux, C., Kandel, S. (2010). Examining the contribution of visual information in lexical processing in primary school children: Evidence from vowel detection in noise. *Psycholinguistic approaches to speech recognition in adverse conditions*, March 8-10, 2010, Bristol, United Kingdom.
  - **Fort, M.**, Spinelli, E., Savariaux, C., Kandel, S. (2009). The contribution of visual information in lexical access: evidence from vowel detection. *Psycholinguistics In Flanders*, May 18-19, 2009, Antwerp, Belgium.
  - **Fort, M.**, Kandel, S., Spinelli, E. & Savariaux, C. (2008). Word recognition in audiovisual speech: Preliminary results. *Speech and Face to Face Communication, a workshop dedicated to the memory of Christian Benoît*. October 27-29, 2008, Grenoble, France.

- **Oral communications**

- **Fort, M.**, Chipot, J., Kandel, S., Savariaux, C, Granjon, L., Spinelli, E. (2010). From lips to lexicon: Does visual speech activate lexical representations? Seminar at the MARCS Auditory Laboratories, Sydney, Australia.
- **Fort, M.**, Chipot, J., Kandel, S., Savariaux, C, Granjon, L., Spinelli, E. (2010). La lecture labiale influence-t-elle l'accès au lexique? Seminar at the LPNC, Grenoble, France.
- **Fort, M.**, Chipot, J., Kandel, S., Savariaux, C, Spinelli, E. (2009). Rôle de l'information visuelle dans l'accès au lexique. *Rencontres Jeunes Chercheurs en Parole*, November 16-18, 2009, Avignon, France.
- **Fort, M.**, Chipot, J., Kandel, S., Savariaux, C, Spinelli, E. (2009). Le processus de reconnaissance des mots dans la perception audiovisuelle de la parole. Seminar at the GIPSA-lab, Grenoble, France.

## Teaching activity

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- **2010-2011**
  - **Introduction to Inferential Statistics (Analyse of Variance)**  
8h (tutoring) in Bachelor's Degree of Psychology (2<sup>nd</sup> year)
  - **Language Perception**  
34h (tutoring) in Bachelor's Degree of Psychology (3<sup>rd</sup> year)
  - **Audiovisual Speech Perception / lexical access**  
3h (lecture) in Master's Degree of psychology (4<sup>th</sup> year)  
4h (lecture) and 8h (tutoring) in Bachelor's Degree of Statistics (2<sup>nd</sup> year)
- **2009-2010**
  - **Data Analysis and Methodology**  
24h (tutoring) in Master's Degree of psychology (4<sup>th</sup> year)
  - **Language Perception**  
34h (tutoring) in Bachelor's Degree of Psychology (3<sup>rd</sup> year)
  - **Audiovisual Speech Perception**  
3h (lecture) in Master's Degree of psychology (4<sup>th</sup> year)  
2h (lecture) and 4h (tutoring) in Bachelor's Degree of Statistics (2<sup>nd</sup> year)
- **2008-2009**
  - **Descriptive Statistics**  
18h (tutoring) in Bachelor's Degree of Psychology (1<sup>st</sup> year)
  - **Cognitive Psychology**  
28h (tutoring) in Bachelor's Degree of Psychology (1<sup>st</sup> year)
  - **Child development**  
24h (tutoring) in Bachelor's Degree of Psychology (2<sup>nd</sup> year)
  - **Audiovisual Speech Perception**  
3h (lecture) in Master's Degree of psychology (4<sup>th</sup> year)  
2h (lecture) and 4h (tutoring) in Bachelor's Degree of Statistics (2<sup>nd</sup> year)

## Student Supervision

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- **Justine Chipot** (in collaboration with Elsa Spinelli)
  - **Advanced Master's Degree in Neuropsychology** (2010), University of Grenoble, France. Audiovisual Speech perception in children with SLI, 2009-2010.
  - **Master's Degree in Cognitive Psychology**, University of Grenoble, France. Visual information benefits in word recognition processes, 2008-2009.
- **Cécile Robert** (in collaboration with Sonia Kandel)
  - **Master's Degree in Cognitive Psychology** (2010), University of Grenoble, France. Visual information benefits and lexical access in 5 and 10 year old children, 2009-2010.

## Professional affiliations

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- **Graduate School (EDISCE) :**
  - PhD Student Representative, since January 2009.
  - Member of ELIPSCE (graduate school student organization), since 2009.
- **Scientific events :**
  - Member of the Organisation Committee for the EDISCE Scientific Day, in May 2009.
  - Member of the Organisation Committee for the *Rencontres des Jeunes Chercheurs en Parole*, (Young Researchers Meeting on Speech) Grenoble, May, 25-27, 2011.

## Other skills

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- **Linguistic skills:**
  - **French: mother tongue**
  - English: fluent (spent 3 months in Australia, Sydney)
  - Spanish: basic proficiency
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- **Computer skills :**
  - Word processor: Pack Microsoft Office, EndNote
  - Statistics: Statistica
  - Stimulus presentation: E-Prime 1 and E-Prime 2
  - Acoustic signal processing: Audacity, Adobe Audition, Praat (undergoing training)
  - Video signal processing: Virtual Dub, Dps Reality, Matlab (notions)
- **Others :**
  - **ERPs and fMRI: Summer School (Next October 2011) led by Dr A. Campagne and Pr. Monic Baciú at the LPNC, Grenoble**
  - This PhD follows a quality control approach