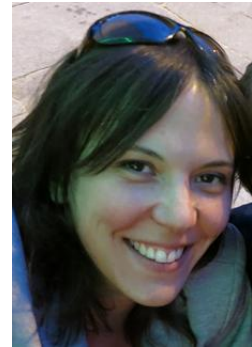


Anne Hillairet de Boisferon



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Education

PhD in Cognitive Science, Psychology and Neurocognition **2006-2010**
(Université de Grenoble, France)

"Multisensory learning of letters and abstract shapes in adults and young children"

Advisors: Edouard Gentaz & Pr. Pascale Colé, funding: M.E.N.R.T. (Ministry of Education, Research and Technology)

Advising Committee: Pr. Pascale Colé, Pr. Philippe Dessus, Pr. Michel Fayol, Dr. Edouard Gentaz, Dr. Liliane Sprenger-Charolles, & Dr. Jean-luc Velay

Master in Cognitive Psychology **2005-2006**
(Université Pierre Mendès-France, LPNC, Grenoble, France)

"Reading acquisition in 5-years-old children : the effect of a visuo-haptic exploration of letters vs. a visual perception of writing movements"

Advisor: Dr. Edouard Gentaz

Maîtrise in Psychology **2003-2004**
(Université Pierre Mendès-France, LPNC, Grenoble, France)

"Perception of biological motions: Influence of motor competence"

Advisor: Pr. Jean-Pierre Orliaguet

Bachelor of Psychology **2000-2003**
(Université Pierre Mendès-France, Grenoble / Université François Rabelais, Tours)

Research Experience

Research Interests

Development of multisensory perception in infancy and early childhood
Audio-visual speech perception and narrowing in infancy
Deployment of infants' selective attention to faces during language acquisition
Infant's multisensory perception of gender in faces and voices
Multisensory teaching approach for reading and handwriting
The influence of haptic guidance on young children's handwriting

- 2018-Present** **Postdoctoral Fellow**
(Vision Action Cognition Laboratory, Université Paris Descartes, France)
"Development and learning of voluntary saccadic eye movements"
Advisor: Dr. Nadia Alahyane, funding: ANR
- 2017**
(Nov-Dec) **Research Assistant (CNRS)**
(Laboratory of Psychology and NeuroCognition, Grenoble, France)
"Fluence" (Development and validation of innovative digital devices for education)
Advisor: Dr. Sylviane Valdois, funding: e-Fran
- 2014-2015**
(Sept-Sept) **Postdoctoral Research Associate**
(Northeastern University, Communication Development Lab, Boston, USA)
"Intersensory Perceptual Narrowing in Human Infants"
Advisor: Pr. David Lewkowicz, funding: NIH
- 2014**
(Jan-Aug) **Postdoctoral Research Associate**
(Florida Atlantic University, Child Development Lab, Boca Raton, USA)
"Intersensory Perceptual Narrowing in Human Infants"
Advisor: Pr. David Lewkowicz, funding: NIH
- 2011-2013**
(Feb-Dec) **Postdoctoral fellow (CNRS)**
(Laboratory of Psychology and NeuroCognition, Grenoble, France)
"Cross-modal integration of language and face cues in German and French infants".
Advisor: Dr. Olivier Pascalis, secondary advisor: Pr. Gudrun Schwarzer,
funding: ANR (France) & DFG (Germany)
- 2010**
(Sept-Nov) **Ingénieur d'Etudes (CNRS)**
(Laboratory of Psychology and NeuroCognition, Grenoble, France)
"Reading acquisition in first grade"
Advisors: Dr. Edouard Gentaz, Pr. Pascale Colé & Dr. Liliane Sprenger-Charolles.
Funding: CNRS, Ministry of National Education, Ministry of Youth and Active
Solidarities
- 2008**
(Oct-Dec) **Research internship**
(Centre for Reading and Language, University of York, UK)
Advisor: Pr. Charles Hulme , funding: IN-DOC Grant
- 2006-2010**
(Oct-Dec) **PhD in Cognitive Science, Psychology and Neurocognition**
(Laboratory of Psychology and NeuroCognition, Grenoble, France)
"Multisensory learning of letters and abstract shapes in adults and young children"
Advisors: Edouard Gentaz & Pr. Pascale Colé, funding: M.E.N.R.T

Teaching Experience

Classes taught 256 h of Seminars + 33 h of Lectures / Bachelor to Master degrees

Cognitive Development / Cognitive Psychology : Language / Descriptive and Inferential Statistics
Developmental Psychology / Differential Psychology / Handwriting Acquisition and Dysgraphia
Introduction to Human Biology / Methodology in Experimental Psychology / Speech and Language
Perception / Scientific English

2019-2020	Temporary Lecturer in Psychology (Université Paris Descartes – Université de Paris, France)
2009-2010	Temporary Lecturer in Psychology (1/2 ATER - Université Pierre Mendès-France, Grenoble, France)
2006-2009	Graduate Teaching Assistant in Psychology (Université Pierre Mendès-France, Grenoble, France)
2005-2006	Junior Teaching Assistant in Psychology (Université Pierre Mendès-France, Grenoble, France)

Administrative and Mentoring Experience

Academic Administrator	2006-2007	Cognitive Development - Course Unit - L2
Research Mentoring	2006-2008	Master I in Psychology Master II in Cognitive Sciences

Reviewing Experience

Ad hoc Reviewer	British Journal of Developmental Psychology / Developmental Science / Journal of Experimental Child Psychology / Infant and Child Development Infancy / International Journal of Behavioral Development / IEEE Transactions on Haptics / Psychologie Française https://publons.com/author/638861/anne-hillaiet-de-boisferon#profile
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Technical skills and Qualifications

Certifications

Technical Translation English to French (<i>MA-level qualification</i>) (CI3M, Professional and Continuing Education Centre, France)	2019
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Softwares

GazeTracker™, EyeLink® Data Viewer & Experiment Builder, E-prime, After Effect, Photoshop, Statistica, SPSS, EndNote

Methodologies

Infants (laboratory) and newborns (maternity ward) testing (visual preference, habituation), video analysis and eye-tracking
Kindergarten and middle school interventions

Languages

French (native language)
English (fluent: spoken and written)
Spanish (intermediate)

Honors/Awards

- 2012** Best Poster Award for "It is in the eye but not that early" at the 43rd NIPS International Symposium, Okazaki, Japan
- 2008** Recipient of an International Internship Grant of Université Pierre Mendès-France
- 2008** Best Poster Award of the Doctoral School Science and Engineering of Systems, Environment and Organizations, for "Une Interface Visuo-haptique Destinée à Préparer l'Apprentissage de l'Écriture", at 7^{ème} journée de l'Ecole Doctorale Ingénierie pour la Santé, la Cognition et l'Environnement, La Tronche, France.
- 2006** Recipient of a 3-years Phd Scholarship from the Ministry of National Education, Research and Technology
- 2006** Co-winner of the Innovation Award of the Fondation Rhône-Alpes Futur, for "Télémaque, une nouvelle interface visuo-haptique pour apprendre à mieux écrire", at 14e Carrefour de la Fondation Rhône-Alpes Futur, Lyon, France

Publications

Papers in peer-reviewed international and national journals

- Hillairet de Boisferon, A.**, Quinn, P.C., Kaminski, G., Lee, K., & Pascalis, O. (Submitted). Recognition of Newborn, Infant, and Adult Faces by Adults With and Without Maternity Nursing Experience. *Visual Cognition*.
- Hillairet de Boisferon, A.**, Dupierrix, E., Uttley, L., DeBruine, L.M., Jones, B.C., & Pascalis, O. (2019). Sex categorization of faces: The effects of age and experience. *i-Perception*, 10(1), 1–13. doi: 10.1177/2041669519830414
- Hillairet de Boisferon, A.**, Hansen-Tift, A., Minar, N.J., & Lewkowicz, D.J. (2018). The re-deployment of attention to the mouth of a talking face in the second year of life. *Journal of Experimental Child Psychology*, 172, 189-200. doi.org/10.1016/j.jecp.2018.03.009.
- Richoz, A-R., Quinn, P.C., **Hillairet de Boisferon, A.**, Berger, C., Loevenbruck, H., Lewkowicz, D.J., Lee, K., Caldara, R., & Pascalis, O. (2017). Audio-Visual Perception of Gender by Infants Emerges Earlier for Adult-Directed Speech, *PLoS ONE* 12(1): e0169325.
- Hillairet de Boisferon, A.**, Tift, A. H., Minar, N. J. and Lewkowicz, D. J. (2016), Selective attention to a talker's mouth in infancy: The role of audiovisual temporal synchrony and linguistic experience. *Developmental Science*, 20, e12381. doi:10.1111/desc.12381.
- Hillairet de Boisferon, A.**, Dupierrix, E., Quinn, P.C., Loevenbruck, H., Lewkowicz, D.J., Lee, K., & Pascalis, O. (2015). Perception of Multisensory Gender Coherence in 6 and 9-month-old Infants. *Infancy*, 20, 661-674.
- Dupierrix, E., **Hillairet de Boisferon, A.**, Barbeau, E., & Pascalis. (2015). Memory for complex visual objects but not for allocentric locations during the first year of life. *International Journal of Behavioral Development*, 39, 332–338.
- Damon, F., Bayet, L., Quinn, P.C., **Hillairet de Boisferon, A.**, Méary, D., Dupierrix, E., Lee, K., & Pascalis, O. (2015). Can human eyes prevent perceptual narrowing for monkey faces? *Developmental Psychobiology*, 57, 637–642.
- Hillairet de Boisferon, A.**, Uttley, L., Paul C. Quinn, P.C., Lee, K., & Pascalis, O. (2014). Female Face Preference in 4-month-olds: The Importance of Hairline. *Infant Behaviour and Development*, 37, 676–681.

- Kubicek, C., Gervain, J., **Hillairet de Boisferon, A.**, Pascalis, O., Løevenbruck, H., & Schwarzer, G. (2014). The influence of infant-directed speech on 12-month-olds' intersensory perception of fluent speech. *Infant Behavior and Development*, 37, 644–651.
- Dupierrix, E., **Hillairet de Boisferon, A.**, Méary, D., Di Giorgio, E., Simion, F., Lee, K., Quinn, P.C., Tomonaga, M., & Pascalis, O. (2014). Preference for Human Eyes in Human Infants. *Journal of Experimental Child Psychology*, 123, 138-146.
- Kubicek, C., **Hillairet de Boisferon, A.**, Dupierrix, E., Pascalis, O., Løevenbruck, H., Gervain, J., & Schwarzer, G. (2014). Cross-modal matching of audiovisual German and French fluent speech in infancy. *PlosOne*, 9(2): e89275.
- Kubicek, C., **Hillairet de Boisferon, A.**, Dupierrix, E., Løevenbruck, H., Gervain, J., & Schwarzer, G. (2013). Face-scanning behavior to silently talking faces in 12-month-old infants: The impact of pre-exposed auditory speech. *International Journal of Behavioral Development*, 37(2), 106-110.
- Uttley, L., **Hillairet de Boisferon, A.**, Dupierrix, E., Lee, K., Quinn, P.C., Slater, A.M., & Pascalis, O. (2013). Six-month-old infants match other-race faces with a non-native language. *International Journal of Behavioral Development*, 37(2), 84-89.
- Dupierrix, E., **Hillairet de Boisferon, A.**, Meary, D., & Pascalis, O. (2012). Face, the perception of development. *Biometrie Humaine et Anthropologie*, 30(1/2), 23-28.
- Hillairet de Boisferon, A.**, Colé, P., & Gentaz, E. (2010). Connaissance du nom et du son des lettres, habiletés métaphonémiques et capacités de décodage en grande section de maternelle. *Psychologie Française*, 55, 91-111.
- Fredembach, B., **Hillairet de Boisferon, A.**, & Gentaz, E. (2009). Learning of arbitrary association between visual and auditory novel stimuli in adults: the “bond effect” of haptic exploration. *Plos One*, 4(3): e4844.
- Gentaz, E., Bara, F., Palluel-Germain, R., Pinet, L., & **Hillairet de Boisferon, A.** (2009). Apports de la modalité haptique manuelle dans les apprentissages scolaires (lecture, écriture et géométrie). In *Cognito : Cahiers Romains de Sciences Cognitives*, 3.3, 1-38.
- Hillairet de Boisferon, A.**, Bara, F., Gentaz, E., & Colé, P. (2007). Préparation à la lecture des jeunes enfants: Effets de l'exploration visuo-haptique des lettres et de la perception visuelle des mouvements d'écriture. *L'Année Psychologique*, 107, 537-564.

Papers in national journal without peer-reviewed

- Bluteau, J., **Hillairet de Boisferon, A.**, & Gentaz, E. (2009). Apprendre à écrire: apports des interfaces haptiques. *Techniques de l'ingénieur, RE 131*, 1-8.
- Gentaz, E., Bluteau, J., & **Hillairet de Boisferon, A.** (2008). Réalité virtuelle et gestes grapho-moteurs : apport des guidages haptiques pour (ré)-apprendre à tracer des lettres. *Neuropsychology news*, 7(4), 156-160.

Peer-reviewed proceedings

- Palluel-Germain, R., Bara, F., **Hillairet de Boisferon, A.**, Hennion, B., Gouagout, P., & Gentaz, E. (2007). A visuo-haptic device - Telemaque - increases the kindergarten children's handwriting acquisition. *IEEE WorldHaptics*, 72-77.

Book Chapters

- Damon, F., Minar, N.J., & **Hillairet de Boisferon, A.** (2019). Studying Perceptual Development in Infancy, In N. Jones, M. Platt, K.D. Mize, & J. Hardin (Eds.). *Conducting Research in Developmental Psychology: A Topical Guide for Research Methods Utilized Across the Lifespan*, Abingdon, UK: Routledge. *In press*.

Hillairet de Boisferon, A., Bluteau, J., & Gentaz, E. (2010). The assessment of spatial features and kinematics of characters: an analysis of subjective and objective measures, In M.Mori (Ed.), *Character recognition* (pp. 113-138). Sciyo.

Conference presentations

Oral communications

Hillairet de Boisferon, A., Lemoine-Lardennois, Doré-Mazars, K., & Alahyane, N. (2019). I choose where to look: control of voluntary saccades in the first years of life, *20th European Conference on Eye Movements*, Alicante, Spain.

Hillairet de Boisferon, A., Damon, F., Quinn, P. C., Lee, K., & Pascalis O. (2013). Familiarity effect on face preference. *SRCD 2013 Face processing Pre-conference*, Seattle, USA.

Dupierrix, E., **Hillairet De Boisferon, A.,** Méary, D., Di Giorgio, E., Simion, F., Lee, K., Quinn, P.C., Tomonaga, M., & Pascalis, O. (2012). Is visual attraction for human eyes present at birth? *Australasian Cognitive Neuroscience Conference*, Brisbane, Australia.

Hillairet de Boisferon, A. (2008). Effect of visuo-haptic exploration of letters in the reading acquisition. *29th International Congress of Psychology*, Berlin, Germany.

Hillairet de Boisferon, A. & Gentaz, E. (2007). A visuo-haptic device - Telemaque - increases the kindergarten children's handwriting acquisition. *WorldHaptics*, Tsukuba, Japan.

Hillairet de Boisferon, A. (2006). Evaluation de l'interface visuo-haptique "Télémaque" dans l'apprentissage de l'écriture chez les enfants scolarisés en GSM. *2èmes Entretiens de la Psychologie*, Boulogne-Billancourt, France.

Posters communications

Lemoine-Lardennois, C., **Hillairet de Boisferon, A.,** Salem-Cherif, W., Doré-Mazars, K., & Alahyane, N. (2019). Adaptation of voluntary saccades in young children, *20th European Conference on Eye Movements*, Alicante, Spain.

Hillairet de Boisferon, A., Lemoine-Lardennois, C., Hamon, M., Doré-Mazars, K., Alahyane, N. (2018). Inducing Voluntary Saccades in Young Children without Task Instruction, *GDR Vision*, Paris, France.

Kelly, D.J., **Hillairet de Boisferon, A.,** & Pascalis, O. (2014). Are infants sensitive to face-voice gender congruence ?, *International Conference on Infant Studies*, Berlin, Germany.

Kubicek, C., **Hillairet de Boisferon, A.,** Gervain, J., Pascalis, O., Loevenbruck, H., & Schwarzer, G. (2014). The Influence of Infant-directed Speech on 12-month-olds' Intersensory Perception of Fluent Speech, *International Conference on Infant Studies*, Berlin, Germany.

Hillairet de Boisferon, A., Dupierrix, E., Loevenbruck, E., Lee, K., Quinn, P., Lewkowicz, D., & Pascalis, O. (2013). Face-voice representation of gender in 3.5- and 6-month-old infants, *SRCD Biennial Meeting*, Seattle, USA.

Pascalis, O., Dupierrix, E., **Hillairet de Boisferon, A.,** Meary, D., Di Giorgio, E., Simion, F., Lee, K., Quinn, P.C., & Tomonaga, M. (2013). The role of human's eyes in face preference, *SRCD Biennial Meeting*, Seattle, USA.

Kubicek, C., **Hillairet de Boisferon, A.,** Dupierrix, E., Pascalis, O., Loevenbruck, H., Gervain, J., & Schwarzer, G. (2013). Cross-modal Matching of Audiovisual German and French Speech in Infancy, *SRCD Biennial Meeting*, Seattle, USA.

Hillairet de Boisferon, A., Dupierrix, E., Méary, D., Di Giorgio, E., Simion, F., Lee, K., Quinn, P.C., Tomonaga, M., & Pascalis, O. (2012). It is in the eye but not that early. *43rd NIPS International Symposium*, Okazaki, Japan.

Hillairet de Boisferon, A. & Gentaz, E. (2008). Learning of arbitrary association between visual and auditory novel stimuli in adults: the “bond effect” of haptic exploration. *49th Annual Meeting of the Psychonomic Society*, Chicago, USA.

Hillairet de Boisferon, A., Palluel-Germain, R. Bara, F., Hennion, B., Gouagout, P., & Gentaz, E. (2008). Une Interface Visuo-haptique Destinée à Préparer l’Apprentissage de l’Ecriture. *7^{ème} journée de l’Ecole Doctorale Ingénierie pour la Santé, la Cognition et l’Environnement*, La Tronche, France.

Gentaz, E. & **Hillairet de Boisferon, A.** (2007). Télémaque, une nouvelle interface visuo-haptique pour apprendre à mieux écrire. *Journée des soins infirmiers, de rééducation et médico-technique*, Grenoble, France.

Diffusion of knowledge

Hillairet de Boisferon, A., & Gentaz, E. (2007). Télémaque, une nouvelle interface visuo-haptique pour apprendre à mieux écrire. *10^{ème} édition du forum 4i[®]*, Grenoble, France.

Hillairet de Boisferon A., Palluel-Germain R., & Gentaz E. (2007). Télémaque, une Interface Visuo-Haptique Destinée à Préparer l’Acquisition de l’Ecriture. *Lire, écrire, parler à l’école : favoriser les apprentissages et prévenir les difficultés*, IUFM de Grenoble, France.

Gentaz, E. & **Hillairet de Boisferon, A.** (2006). Télémaque, une nouvelle interface visuo-haptique pour apprendre à mieux écrire. *14^e Carrefour de la Fondation Rhône-Alpes Futur*, Lyon, France.

Hillairet de Boisferon, A. (2006). Influence de la modalité haptique dans l'apprentissage de la lecture chez les jeunes enfants. *Journée Annuelle de l'Association Montessori Française*, Paris, France.

References

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Dr. Olivier Pascalis

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CS40700 - 38058 Grenoble Cedex 9
Tel : +33 4 76 82 78 31
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Webpages : <http://lpnc.univ-grenoble-alpes.fr/olivier-pascalis?lang=fr>
<http://babylab-grenoble.fr/>

More References Available Upon Request