



Charlotte Duranton, PhD

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Ethologist

Canine Behaviour

Publications

Duranton, C. (submitted). Behavioural synchronization as a tool to estimate affiliation in dogs.

Duranton, C. & Horowitz, A. (submitted). Let me sniff! Nosework makes pet dogs optimistic.

Duranton, C. & Gaunet, F. (submitted). La synchronisation comportementale humain-chien. *L'Année Psychologique*.

Duranton, C., Bedossa, T. & Gaunet, F. (submitted). Pet dogs exhibit social preference towards people who synchronize their behaviors with them.

Duranton, C., Bedossa, T. & Gaunet, F. (in revision). Shelter dogs present activity but no location synchrony with their caregivers when walking in outdoor areas. *Journal of Comparative Psychology*.

Duranton, C. & Gaunet, F. (2018). Behavioral synchronization and affiliation: dogs exhibit human-like skills. *Learning & Behavior Special Issue on Canine Cognition*, DOI: 10.3758/s13420-018-0323-4.

Duranton, C., Jeannin, S., Bedossa, T. & Gaunet, F. (2017). La mémoire autobiographique/épisodique: que nous enseigne le modèle du chien? *Médecine / Sciences*, 33(12), 1089-1095.

Duranton, C., Bedossa, T. & Gaunet, F. (2017). Pet dogs synchronize their walking pace with that of their owners in open outdoor areas. *Animal Cognition*, 10.1007/s10071-017-1155-x.

Duranton, C., Bedossa, T. & Gaunet, F. (2017). The perception of dogs' behavioural synchronisation with their owners depends partially on expertise in behaviour. *Applied Animal Behaviour Science*, DOI: 10.1016/j.applanim.2017.11.004

Duranton, C., Bedossa, T. & Gaunet, F. (2017). Interspecific behavioural synchronization: dogs exhibit locomotor synchrony with humans. *Scientific Reports*, 7, 12384.

Duranton, C., Range, F. & Virányi, Z. (2017). Do pet dogs (*Canis familiaris*) follow ostensive and non-ostensive human gaze to distant space and to objects? *Royal Society Open Science*, 4, 170349.

Duranton, C., Bedossa, T. & Gaunet, F. (2017). Do shelter dogs engage in social referencing with their caregiver in an approach paradigm? An exploratory study. *Applied Animal Behaviour Science*, 189, 57-65.

Duranton, C. & Gaunet, F. (2016). Effect of shelter housing on dogs' sensitivity to human social cues. *Journal of Veterinary Behavior*, 14, 20-27.

Duranton, C. & Gaunet, F. (2016). Behavioural synchronization from an ethological perspective: overview of its adaptive value. *Adaptive Behavior*, 24(3), 181-191.

Duranton, C., Bedossa, T. & Gaunet, F. (2016). When facing an unfamiliar person, pet dogs present social referencing based on their owner's direction of movement alone. *Animal Behaviour*, 113, 147-156.

Duranton, C. & Gaunet, F. (2015). *Canis sensitivus*: affiliation and dogs' sensitivity to others' behavior as the basis for synchronization with humans? *Journal of Veterinary Behaviour*, 10, 513-524.

Duranton, C., Rödel, H. G., Bedossa T. & Belkhir, S. (2015). Inverse sex effects on dog (*Canis familiaris*) performances in a repeated problem solving task. *Journal of Comparative Psychology*, 129(1), 84-87.

Education & Awards

2018: **Winner of the Early Career Scientist Award**, 6th Canine Science Forum, Budapest, Hungary.

2013 – 2017: **PhD in Cognitive Psychology, mention Ethology**, Laboratory of Cognitive Psychology, CNRS, University Aix-Marseille, France.

2011 – 2013: **Master in Ethology**, graduated with honors (15,0/20, rank 2), University Paris XIII – Sorbonne Cité, France.

2009 – 2010: **Diploma Human-Animal Relationship**, graduated with honors (15,1/20, rank 2), University Paris V, France.

2007 – 2008: **Master in Anthropology**, 1st year graduated with honors (14,9/20, rank 1), University Bordeaux I

2006 – 2007: **Bachelor Degree in Organisms Biology**, graduated with honors (14,0/20, rank 3), University Bordeaux I

Reviewer for:

- Animal Behaviour
- Animal Cognition
- Scientific Reports
- PLoS ONE
- Animals

Research interests

Main thematics: dog cognition, effects of ontogeny on dog cognition, dog-human interactions

- Dog-Human communication (vocal as well as non-vocal)
- Dog social cognition
- Dog sensitivity to human social cues
- Behavioural Synchronization in dogs

Media

Web

Improbable Research: <https://www.improbable.com/2017/12/22/pet-dogs-synchronize-walking-pace-with-owners-research-study/>

American Council Science Health: <https://www.acsh.org/news/2017/10/06/dogs-synchronize-body-movements-humans-11933>

Daylimail: <http://www.dailymail.co.uk/news/article-3501272/Your-dog-read-mind-knows-think-people.html>

Psychology today: <https://www.psychologytoday.com/blog/canine-corner/201602/is-it-possible-dog-could-be-racist>

TV

October 2017: Canine Cognition Expert for TV Show *Incredible powers of human body* with Adriana Karembeu “Dogs’ ability to recognize and use humans’ communicative cues”

September 2017: Canine Cognition Expert for TV Show *E=M6* “Kin recognition in dogs”

October 2016: Canine Cognition Expert for TV Show *E=M6* “Dogs’ sensitivity to human communicative cues”

September 2016: Canine Cognition Expert for TV Show *E=M6* “Explaining dogs’ sensitivity to human songs and musics”

Radio

2016: Interview with Barry Morgan CJAD 800 Montreal: "how can dogs read our mind? <http://charlottedurant.com/media>

Press

March 2018: 30 Millions d’Amis: How to live with an aging dog?

December 2017: 30 Millions d’Amis: Do dogs recognize their kins?

October 2017: 30 Millions d’Amis: Do they feel as we feel? Behavioral synchronization and emotional contagion

September 2017: 30 Millions d’Amis: How to bring social support to your dog?

June 2016: 30 Millions d’Amis: Are dogs the shadows of their owners ?

May 2015: 30 Millions d’Amis: How does an ethological study really work ?

May 2014: 30 Millions d’Amis: How to test dogs’ intelligence ?

January 2014: 30 Millions d’Amis: Dogs - what do they really understand with punishments ?

Scientific Oral Presentations

- (2018) *Duranton, C.* Behavioural synchronization: dogs exhibit human-like skills. 6th Canine Science Forum, Budapest, Hungary. Winner of the Early Career Scientist Award.
- (2018) *Duranton, C.* Feeling good: What is welfare and how can we apply it when living with our pet dogs. Happy Dog, Vienna, Austria.
- (2018) *Duranton, C.* Stronger together: behavioural synchronization between dogs and humans. Dog Event Science, Paris, France & Happy Dog, Vienna, Austria.
- (2018) *Duranton, C.* Learning processes: what is conditioning? Applications in dog's daily life. Dog Event Science, Paris, France.
- (2017) *Duranton, C.* Dog-human behavioural synchronization. Family Dog Project, Department of Ethology, Eötvös Loránd University, Budapest, Hungary.
- (2017) *Duranton, C., Bedossa, T. & Gaunet, F.* Dogs exhibit social preference for people who synchronize with them. Canine Science Conference, University of Arizona, Tempe, USA.
- (2017) *Duranton, C. & Jeannin, S.* Canine cognition to improve dogs' welfare. Pet Revolution, Nanterre University, Paris, France.
- (2017) *Duranton, C.* Dogs exhibit social preference for people who synchronize with them. Institute of Cognitive Neurosciences, CNRS, Marseille, France.
- (2017) *Duranton, C.* Dog-human behavioural synchronization and affiliation. Laboratory Seminar, Federation 3C, University Aix-Marseille, CNRS, Marseille, France.
- (2017) *Duranton, C., Bedossa, T. & Gaunet, F.* Stronger together: the place of behavioural synchronization in dogs-humans relationships. Canine Science Symposium, SPCA, San Francisco, USA.
- (2016) *Duranton, C.* Dogs' sensitivity to human social cues: state of the art and different hypotheses to explain it. Laboratory of Comparative and Experimental Ethology, University Paris XIII, Sorbonne Cité, France.
- (2016) *Duranton, C., Buffet E.* Dog cognition and applications. Dog Revolution, Nanterre University, Paris, France.
- (2016) *Duranton, C., Bouvresse, A. & Bedossa, T.* Advantages of research studies in a dog shelter. Dog Event 2016, Nice, France.
- (2016) *Duranton, C.* Dog-human synchronization: existence, modalities and link with affiliation. Team seminar, Laboratory of Cognitive Psychology, University Aix-Marseille, CNRS, Marseille, France.
- (2015) *Duranton, C., Belkhir, S., Bedossa, T. & Gaunet, F.* When encountering an unfamiliar person, breed and sex influence dogs' behavioural reactions. SEEVAD Congress, Paris, France.
- (2014) *Duranton, C.* Dogs present social referencing based on their owners' movement alone. Team seminar, Laboratory of Cognitive Psychology, University Aix-Marseille, CNRS, Marseille, France.
- (2014) *Duranton, C.* Dogs-humans synchronization and affiliative behaviors. Team seminar, Laboratory of Cognitive Psychology, University Aix-Marseille, CNRS, Marseille, France.
- (2013) *Duranton, C.* Canine cognition and dog training, Three talks at University Paris XIII, Sorbonne Cité, France.
- (2013) *Duranton, C., Belkhir S. & Rôdel, H.* Inverse sex effects on dogs' (*Canis familiaris*) performance in a repeated problem solving task. SFECA Congress, Dijon, France.
- (2013) *Duranton, C.* Dog-Human communication: what can science teach us. Café Ethologique, Paris, France.

Mentoring

- 2018: Gosset, G. "Behavioural synchronization as a tool to estimate affiliation in dogs » Master thesis, 1st year Master of Ethology, University Paris XIII.
- 2018: Dospital-Mauro, M. "The effect of nosework on dogs' cognitive bias" Master thesis, 1st year Master of Ethology, University Paris XIII.
- 2018: Corneille, M. (dog trainer, volunteer internship, data collection) & Gosset, G. (Master thesis, 1st year Master of Ethology, University Paris XIII) "Local synchrony as an indicator of affiliation in dogs".
- 2018: Michenaud, S. "Does training affects dogs' sensitivity to human attentional state?". Volunteer internship, Social Psychologist and dog trainer.
- 2017: Späger, D. & Sauvageot, R. "Do pet dogs show social preference for unfamiliar person would synchronize their behaviour with them?" Volunteer internship, ethologists. Co-supervising with Gaunet, F.
- 2016-2017: Helsly, M. "Do dogs and owners behave synchronously during a veterinary examination?" Veterinary student, National Veterinary School of Toulouse, France. Co-supervising with Gaunet, F.
- 2016-2017: Girault, C. and Losserand, L. "Influence of the owner's presence on dog's behaviour during a veterinary examination: is behavioral synchronization a useful tool to relax dogs?" Veterinary student, National Veterinary School of Toulouse, France. Co-supervising with Gaunet, F.
- 2016: Betremieux, C. "Do pet and shelter dogs move in sync with humans? Video analyses". Volunteer internship, ethologist. Co-supervising with Gaunet, F.
- 2015: Girault, C. "Do pet dogs move in synchrony with their owners? Video analyses". Volunteer internship, National Veterinary School of Toulouse, France. Co-supervising with Gaunet, F.
- 2014-2015 : Eury, C. "Shelter dogs' behavioural reaction in an approach paradigm", Master thesis, 1st year Master of Ethology, University Paris XIII. Co-supervising with Gaunet, F.
- 2014-2015 : Legain, M. "Influence of owners' movements and switch of activity on their dogs". Diploma thesis, University Diploma of Dog-Animal Relationships, University Paris V. Co-supervising with Gaunet, F.
- 2014 : Betremieux, C. "Behaviours of shelter dogs in an approach paradigm". Volunteer internship, Master Ethology, University Paris XIII. Co-supervising with Gaunet, F.
- 2013-2014 : Betremieux, C. "Are pet dogs (*Canis familiaris*) sensitive to their owner's behaviour in an approach paradigm?". Master thesis, 1st year Master of Ethology, University Paris XIII. Co-supervising with Gaunet, F.
- 2012: Lebocq, M. "Effects of training method and sex on dogs' reactions in a problem-solving task". Volunteer internship, Licence in Biology, University Paris XIII. Co-supervising with Belkhir, S.