

HERVÉ ABDI

School of Brain and Behavioral Sciences
Program in Cognition and Neurosciences
The University of Texas at Dallas
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Current Position

Full Professor with Tenure
The University of Texas at Dallas
School of Brain and Behavioral Sciences
Program in Cognition and Neurosciences

Educational History

Maîtrise de Psychologie (Master of Psychology): Université de Besançon, France, 1975.
D.E.A. (Diplôme d'études approfondies)¹ "Marketing et Analyse des Comportements Socio-economiques" (Marketing and Analysis of Socio-economic Behaviors): Université de Clermont (Faculté des Sciences Economiques), France, 1976.
D.E.A. (Diplôme d'études approfondies, cf. previous note). "Neurobiologie & Biologie du Comportement" (Neurobiology and Biology of Behavior): Université de Strasbourg (Louis Pasteur), France, 1977.
Ph.D.: (Mathematical Psychology), Thesis: "Approches Pré-ordinales en Analyse des Données Psychologiques" (Weak-ordinal Data Analysis for Psychological Data), Université d'Aix-en-Provence, France, 1980.
Docteur Habilité à Diriger les Recherches:² Université de Bourgogne (Memory and Mathematical Psychology), France, 1988

Professional Experience

1979–83: Assistant Professor of Psychology: Université de Besançon.
1983–88: Associate Professor of Psychology (Maître de Conférences): Université de Bourgogne.
1986–87: Visiting Professor of Cognitive and Linguistic Sciences: Brown University.
1988: Full Professor of Psychology, Université de Bourgogne.
1989: Associate Professor, The University of Texas at Dallas.
2001–2013: Adjunct Professor of Radiology, University of Texas Southwestern Medical Center at Dallas.
1994– Full Professor, The University of Texas at Dallas.

¹ "Diploma of Deep Studies," this is a research and course dependent degree between the Master's and the Ph.D. level.

² This title is conferred after the submission of an integrative summary of the candidate research done after the Ph.D and a defense in front of peers selected by the Faculty and by a National Committee. The title qualifies the candidate for promotion to rank of Full Professor.

Research Interests

- face processing and computational models of face processing.
 - neural networks.
 - computational and statistical models of cognitive processes (especially memory and learning).
 - experimental design.
 - multivariate statistical analysis (including simple and multiple correspondence analysis, PLS regression, STATIS, multiple factor analysis, multi-block analyses, etc.).
 - statistical analysis of brain imaging data.
 - olfaction, smell, taste, flavor, etc.
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Awards and Fellowships

- Fullbright scholar (1986-1987). Center for Cognitive Sciences, Brown University, Providence, R.I., U.S.A.
- Eurias and Institute of Advanced Studies of Paris, Senior Fellowship (2014-2015). Institute of Advanced Studies of Paris (France).

Achievements in Original Achievement, Investigation, and Research

Books: 12, Edited Volumes: 11, Journal Articles: 125, Reviewed Chapters: 87, Proceedings: 34.
Current *h*-index: 65, current *i*-index: 154.

Books

12. Abdi, H., & Beaton, D (in press, 2018). *Principal Component and Correspondence Analyses Using R*. New York: Springer Verlag.

11. Abdi, H., & Dzung, H.N. (2012). *Phân tích số liệu thực nghiệm (Experimental Data Analysis)*. Ho Chi Minh. (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.

7. Abdi, H., Edelman, B., Valentin, D., Dowling W.J. (2009). *Experimental Design and Analysis for Psychology*. Oxford: Oxford University Press.

8. Williams, L.J., Posamentier, M.T., Edelman, B.E., & Abdi, H. (2009). *SAS Companion for Experimental Design and Analysis for Psychology*. Oxford: Oxford University Press.

9. Williams, L.J., Krishnan, A., & Abdi, H. (2009). [\[R\] Companion for Experimental Design and Analysis for Psychology](#). Oxford: Oxford University Press.

10. Abdi, H, Williams, L.J., Edelman, B.E., Valentin, D., & Posamentier, M.T. (2010). [Exercises for Experimental Design and Analysis for Psychology.](#) Oxford: Oxford University Press.
6. Abdi, H., & Valentin, D. (2006). *Mathématiques pour les Sciences Cognitives (Mathematics for Cognitive Science)*. Grenoble: Presses Universitaires de Grenoble.
5. Tiberghien, G., Abdi, H., Descles, J.P., Georgieff, N., Jeannerod, M., LeNy, J.F., Livet, P., Pynte, J., & Sabah, G. (2002). *Dictionnaire des Sciences Cognitives (A Cognitive Science Dictionary)*. Paris: Armand Colin.
4. Abdi, H., Valentin, D., & Edelman, B. (1999). *Neural Networks*. Newbury Park (CA, USA): Sage (Sage University Series).
3. Abdi, H. (1994). *Les Réseaux de Neurones*. Grenoble: Presses Universitaires de Grenoble.
2. Abdi, H. (1988). *Programmes de Calcul Apple II pour Accompagner "Introduction au Traitement Statistique des Données Expérimentales."* Grenoble: Presses Universitaires de Grenoble.
1. Abdi, H. (1987). *Introduction au Traitement Statistique des Données Expérimentales*. Grenoble: Presses Universitaires de Grenoble.

Edited Books and Special Issues of Journals

11. Abdi, H., Esposito Vinzi, V., Russolillo, G., Saporta, G., & Trinchera, L. (Eds.) (2016). *The Multiple Facets of Partial Least Squares Methods*. New York: Springer Verlag.
10. Dzung, H.N., Valentin, D., Lê, T.M., Nguyen Lam, D.A., Chollet, S., & Abdi, H. (2016). [Taste and Try before you Fry: From Product Formulation to Consumer Experience.](#) Proceedings of SPISE 2016. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
9. Valentin, D., Chollet, S., Lê, S., Nguyen, D.H., & Abdi H. (2014). [From Senses to Quality: What Can Sensory Evaluation Bring to Quality Control.](#) Proceedings of SPISE 2014. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
8. Abdi, H., Chin, W., Esposito Vinzi, V., Russolillo, G., & Trinchera, L. (Eds.) (2013). *New Perspectives in Partial Least Squares and Related Methods*. New York: Springer Verlag.
7. Valentin, D., Pêcher, C., Nguyen, D.H., Chambers, D., & Abdi H. (2012). *Integrating Sensory Evaluation into Product Development: An Asian Perspective*. Proceedings of SPISE 2012. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House
6. Abdi, H., Valentin, D., & Nguyen, D.H. (Eds) (2009). *Food Consumer Insights in Asia: Current Issues and Future*. Proceedings of SPISE 2009. Ho Chi minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
5. Valentin, D., Edelman, B., Abdi, H. (Eds) (1998). *Neural Networks Models for Face Processing*. Special issue of *Journal of Biological Systems*, **6(3)**.
4. Lories, G., & Abdi, H. (Eds) (1996). *Issues in Computational Modeling*. Special issue of *Psychologica Belgica*, **36(1)**.
3. Abdi, H., Valentin, D., Edelman, B., & O'Toole, A.J. (Eds) (1994). *Neural Networks and Biological Systems*. Special issue of *Journal of Biological Systems*, **2(4)**.
2. Fayol, M., Gombert, J.E., Abdi, H., Zagar, D. (Eds.) (1991). *La Production d'Écrits*. Dijon: C.R.D.P.
1. Fayol, M., Abdi, H., Gombert, J.E., & Zagar, D. (Eds.) (1988). *Le Langage: de la Recherche Fondamentale aux Applications Pratiques*. Dijon: C.R.D.P.

Reviewed Articles

125. Bougeard S., Abdi, H., Saporta, S., & Niang, N. (in press, 2018). Clusterwise analysis for multiblock component methods. *Advances in Data Analysis and Classification*, **12**.
124. Jerger, S, Damian, M.F., McAlpine, R., & Abdi, H. (in press, 2018). Visual speech fills in both discrimination and identification of non-intact auditory speech in children. *Journal of Child Language*, **45**.
123. Lahne, J., Abdi, H., & Heymann, H. (2018). Rapid sensory profiles with DISTATIS and barycentric text projection: An example with amari, bitter herbal liqueurs. *Food Quality and Preference*, **66**, 36–43.
122. Schwarz, A.L., Gonzales, M.D., Resendiz, M.D., Abdi, H. (2017). Reported book-sharing practices of Spanish-English speech-language pathologists who target academic language in preschoolers. *ECHO: Journal of the National Black Association for Speech-Language and Hearing*, **12**, 62–83.
121. Pelé, J., Taddese, B., Denlaud, M., Garnier, A., Hernien, D., Abdi, H., & Chabbert, M. (2017). Co-variation approaches to the evolution of protein families. *Advanced Techniques in Biology & Medicine*, **5**, 1–4.
120. El Behi, M., Sanson, C., Bachelin, C., Guillot-Nöel, L., Fransson, J., Stankoff, B., Maillart, E., Sarrazin, N., Guillemot, V., Abdi, H., Rebeix, I., Fontaine, B., & Zujovic, V. (2017). Adaptive human immunity drives remyelination in a mouse model of demyelination. *Brain*, **140**, 967–980.
119. Armson, M.J., Abdi, H., & Levine, B. (2017). Bridging naturalistic and laboratory assessment of memory and aging: The Baycrest mask fit test. *Memory*, **25**, 999–1008.
118. Schwarz, A.L., van Kleeck, A., Maguire, M.J., & Abdi, H. (in press, 2017). Do acting out verbs with dolls and comparison learning between scenes boost toddlers' verb comprehension? *Journal of Child Language*, **44**, 719–733.
117. Jerger, S, Damian, M.F., Parra, R., & Abdi, H. (2017). Visual speech alters the discrimination and identification of non-intact auditory speech in children with hearing loss. *International Journal of Pediatric Otorhinolaryngology*, **94**, 127–137.
116. Jerger, S., Damian, M.F., Tye-Murray, N., & Abdi, H. (2017). Children perceive speech onsets by ear and eye. *Journal of Child Language*, **44**, 185–215.
115. Beaton, D., Dunlop, J., ADNI, & Abdi, H. (2016). Partial Least Squares-Correspondence Analysis: A framework to simultaneously analyze behavioral and genetic data. *Psychological Methods*, **21**, 621–651.
114. Jerger, S, Damian, M.F., Tye-Murray, N., & Abdi, H. (2016). Phonological priming in children with hearing loss: effect of speech mode, fidelity, and lexical status. *Ear and Hearing*, **37**, 623–633.
113. Connolly, A., Sha, L., Guntupalli, J.S., Oosterhof, N., Halchenko, Y., Nastase, S., di Oleggio Castello, M.V., Abdi, H., Jobst, B., Gobbini, M.I., & Haxby, J. (2016). How the human brain represents perceived dangerousness or “predacity” of animals. *Journal of Neuroscience*, **36**, 5373–5384.
112. Lelièvre-Desmas, M., Chollet, S., Abdi, H., & Valentin, D. (2015). Becoming a beer expert: Is simple exposure with feedback sufficient to learn beer categories? *Acta Psychologica*, **161**, 95–103.
111. St-Laurent, M., Abdi, H., & Buchsbaum, B. (2015). Distributed patterns of reactivation predict vividness of recollection. *Journal of Cognitive Neuroscience*, **27**, 2000–2018.
110. Schwarz, A.L., van Kleeck, A., Beaton, D., Horne, E., MacKenzie, H., & Abdi, H. (2015). A read-aloud storybook selection system for pre-readers at the preschool language level: a pilot study. *Journal of Speech, Language, and Hearing Research*, **58**, 1273–1291.
109. Sha, L., Haxby, J.V., Abdi, H., Guntupalli, J., Oosterhof, N., Halchenko, Y., & Connolly, A., (2015). The animacy continuum in the human ventral vision pathway. *Journal of Cognitive Neuroscience*, **26**, 665–678.
108. Ciaoli, C., Abdi, H., Beaton, D., Burnod, Y., & Masmoudi, S. (2014). Differences in human cortical gene expression match the temporal properties of large-scale functional networks. *PLoS One*, **9(12)**, 1–28.

107. Beaton, B., Abdi, H., & Filbey, F. (2014). Unique Aspects of Impulsive Traits in Substance Use and Overeating: Specific Contributions of Common Assessments of Impulsivity. *The American Journal of Drug and Alcohol Abuse*, **40**, 463-475.
106. Jerger, S., Damian, M.F., Tye-Murray, N., & Abdi, H. (2014). Children Can Use Visual Speech to Compensate for Non-Intact Auditory Speech. *Journal of Experimental Child Psychology*, **126**, 295–312.
105. Pelé, J., Moreau, M., Abdi, H., Rodien, P., Castel, H., & Chabbert, M. (2014). Comparative analysis of sequence co-variation methods to mine evolutionary hubs: Examples from selected GPCR families. *PROTEINS: Structure, Function, and Bioinformatics*, **82**, 2141–2156.
104. St-Laurent M., Abdi, H., Bondad A., & Buschsbaum, B.R. (2014). Memory reactivation in healthy aging: evidence of stimulus-specific dedifferentiation. *Journal of Neuroscience*, **34**, 4175–4186.
103. Beaton, D., Chin Fatt C.R., & Abdi, H. (2014). An ExPosition of multivariate analysis with the Singular Value Decomposition in R. *Computational Statistics & Data Analysis*, **72**, 176–189.
102. Jerger, S., Tye-Murray, N., Damian, M.F., & Abdi, H. (2013). Effect of hearing loss on semantic access by auditory and audiovisual speech in children. *Ear and Hearing*, **34**, 753–762.
101. Abdi, H., Williams, L.J., & Valentin, D. (2013). Multiple factor analysis: Principal component analysis for multi-table and multi-block data sets. *Wiley Interdisciplinary Reviews: Computational Statistics*, **5**, 149–179.
100. Jerger, S., Damian, M.F., Mills, C., Bartlett, J., Tye-Murray, N., & Abdi, H. (2013). Effects of perceptual load on semantic access by speech in children. *Journal of Speech, Language, and Hearing Research*, **56**, 388–403.
99. Calley, C.S., Motes, M.A., Chiang, H.S., Buhl, V., Spence, J.S., Abdi, H., Anand, R., Maguire, M., Estevez, L., Rao, N., Briggs, R., Freeman, T., Kraut, M.A., & Hart, J. (in press, 2013). Threat as a feature in visual semantic object memory. *Human Brain Mapping*, **34**, 1946–1955.
98. Palombo, D., Williams, L.J., Abdi, H., & Levine, B. (2013). The survey of autobiographical memory (SAM): A novel measure of trait mnemonics in everyday life. *Cortex*, **49**, 1526–1540.
97. Abdi, H., Williams, L.J., Beaton, D., Posamentier, M., Harris, T.S., Krishnan, A., & Devous, M.D. (2012). Analysis of regional cerebral blood flow data to discriminate among Alzheimer's disease, frontotemporal dementia, and elderly controls: A multi-block barycentric discriminant (MUBADA) methodology. *Journal of Alzheimer's Disease*, **31**, s189–s201.
96. Pelé, J., Bécu, J.M., Abdi, H., & Chabbert, M. (2012). Bios2mds: an R package for comparing orthologous protein families by metric multidimensional scaling. *BMC Bioinformatics*, **13**, 133–140.
95. Buchsbaum, B.R., Lemire-Rodger, S., Fang, C., & Abdi, H. (2012). The neural basis of vivid memory is patterned on perception. *Journal of Cognitive Neuroscience*, **24**, 1867–1883.
94. Pinkham, A.E., Sasson, N.J., Beaton, D., Abdi, H., Kohler, C.G., & Penn, D.L. (2012). Qualitatively distinct factors contribute to elevated rates of paranoia in autism and schizophrenia. *Journal of Abnormal Psychology*, **121**, 767–777.
93. Valentin, D., Chollet, S., Lelièvre, M., & Abdi, H. (2012). Quick and dirty but still pretty good: A review of new descriptive methods in food science. *International Journal of Food Science and Technology*, **47**, 1563–1578.
92. Vick, J.C., Campbell, T.F., Shriberg, L.D., Green, J.R., Abdi, H., Rusiewicz, H.L., Venkatesh, L., & Moore, C.A. (2012). Distinct developmental profiles in typical speech development. *Journal of Neurophysiology*, **107**, 2285–2900.
91. Williams, L.J., Dunlop, J.P., & Abdi, H. (2012). Effect of age on the variability in the production of text-based global inferences. *PLoS One*, **7(5)**: e36161. doi:10.1371/ journal.pone.0036161 (pp. 1–9).
90. Abdi, H., Williams, L.J., Connolly, A.C., Gobbin, M.I., Dunlop, J.P., & Haxby, J.V. (2012). Multiple Subject Barycentric Discriminant Analysis (MUSUBADA): How to assign scans to categories without using spatial normalization. *Computational and Mathematical Methods in Medicine*, **2012**, 1–15. doi:10.1155/2012/634165.

89. Connolly, A., Guntupalli, J.S., Gors, G., Hanke, M., Halchenko, Y., Wu, Y.C., Abdi, H., & Haxby, J. (2012). Representation of biological classes in the human brain. *Journal of Neuroscience*, **32**, 2606–2618.
88. Churchill, N., Oder, A., Abdi, H., Tam, F., Lee, W., Thomas, C., Graham, S., & Strother, S. (2012). Optimizing correction of head motion and physiological noise in single-subject fMRI analyses: 1. Standard temporal-based methods. *Human Brain Mapping*, **33**, 609–627.
87. Wang, J.Y., Abdi, H., Bakhadirov, K., Diaz-Arrastia, R., & Devous, M.D. (2012). A comprehensive reliability assessment of quantitative diffusion tensor tractography. *NeuroImage*, **60**, 1127–1138.
86. Abdi, H., Williams, L.J., Valentin, D., & Bennani-Dosse, M. (2012). STATIS and DISTATIS: Optimum multi-table principal component analysis and three-way metric multidimensional scaling. *Wiley Interdisciplinary Reviews: Computational Statistics*, **5**, 124–167.
85. St-Laurent, M., Abdi, H., Burianová, H., & Grady, C.L. (2011). Influence of aging on the neural correlates of autobiographical, episodic, and semantic memory retrieval. *Journal of Cognitive Neuroscience*, **23**, 4150–4163.
84. Wang, J.Y., Bakhadirov, K., Abdi, H., McColl, R., Moore, C. M., Marquez de la Plata, C.D., Babcock, E., Madden, C.J., Diaz-Arrastia, R., & Devous, M., (2011). Longitudinal changes of structural connectivity in traumatic axonal injury. *Neurology*, **77**, 818–826.
83. Pelé, J., Abdi, H., Moreau, M., Thybert, D., & Chabbert, M. (2011). Multidimensional scaling reveals the main evolutionary pathways of class A G-protein-coupled receptors. *PLoS One*. **6**, 1-10, e19094. doi:10.1371 / journal. pone. 0019094.
82. Chollet, S., Lelièvre, M., Abdi, H., & Valentin, D. (2011). Sort and Beer: What you always wanted to know about the sorting task but did not dare to ask. *Food Quality and Preference*, **22**, 507–520.
81. Krishnan, A., Williams, L.J., McIntosh, A.R., & Abdi, H. (2011). Partial Least Squares (PLS) methods for neuroimaging: A tutorial and review. *NeuroImage*, **56**, 455–475.
80. Coulon, M., Baudoin, C., Abdi, H., Heyman, Y., & Deputte, B. (2010). Social behavior and kin discrimination in a mixed group of cloned and non-cloned heifers (*Bos taurus*). *Theriogenology*. **74**, 1596–1603.
79. Santosa, M., Abdi, H., & Guinard, J.X. (2010) A modified sorting task to investigate consumer perceptions of extra virgin olive oil products. *Food Quality and Preference*, **21**, 881–892.
78. Williams, L.J., Abdi, H., French, R., & Orange, J.B., (2010). A tutorial on Multi-Block Discriminant Correspondence Analysis (MUDICA): A new method for analyzing discourse data from clinical populations. *Journal of Speech, Language, and Hearing Research*, **53**, 1371–1393.
77. Abdi, H., & Williams, L.J. (2010). Principal component analysis. *Wiley Interdisciplinary Reviews: Computational Statistics*, **2**, 433–459.
76. Abdi, H. (2010). Partial least squares (PLS) regression. *Wiley Interdisciplinary Reviews: Computational Statistics*, **2**, 97–106.
75. Ballester, J., Abdi, H., Langlois, J., Peyron, D., & Valentin, D. (2009). The odor of colors: Can wine experts and novices distinguish the odors of white, red, and rosé wines? *Chemosensory Perception*, **2**, 203–213.
74. Lelièvre, M., Chollet, S., Abdi, H., & Valentin, D. (2009). Beer experts and novices rely more on vision than on taste when they categorize beers. *Chemosensory Perception*, **2**, 143–153.
73. Abdi, H. (2009). Centroid, *Wiley Interdisciplinary Reviews: Computational Statistics*, **1**, 259–260.
72. Bartlett, J., Shastri, K., Abdi, H., & Neville-Smith, M., (2009). Component structure of individual differences in true and false recognition of faces. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, **35**, 1207–1230.
71. Otsuka, Y., Konishi, Y., Kanazawa, S., Yamaguchi, M.K., Abdi, H., & O'Toole, A.J., (2009). Recognition of moving and static faces by young infants. *Child Development*, **80**, 1250–1271.
70. Jerger S., Tye-Murray, N., & Abdi, H. (2009). Role of visual speech in phonological processing by children with hearing loss. *Journal of Speech, Language, and Hearing Research*, **52**, 412–434.

69. Jerger, S., Damian, M., Spence, M., Tye-Murray, N., & Abdi, H. (2009). Developmental shifts in covert audiovisual speech processing by children: A new multimodal picture word task. *Journal of Experimental Child Psychology*, **102**, 40–59.
68. Abdi, H., Dunlop, J., & Williams, L.J. (2009). How to compute reliability estimates and display confidence and tolerance intervals for pattern classifiers using the Bootstrap and 3-way multidimensional scaling (DISTATIS). *NeuroImage*, **49**, 89–95.
67. Chrea, C., Valentin, D., & Abdi H. (2009). Graded structure in odor categories: A cross-cultural cast study. *Perception*, **38**, 292–309.
66. Takane, Y., Hwang, H., & Abdi, H. (2008). Regularized multiple-set canonical correlation analysis. *Psychometrika*, **73**, 753–775.
65. Lelièvre, M., Chollet, S., Abdi, H., & Valentin, D. (2008). What is the validity of the sorting task for describing beers? A study using trained and untrained assessors. *Food Quality and Preference*, **19**, 697–703.
64. Wang J.Y, Bakhadirov, K., D. Devous, M.D. Sr., Abdi, H., McColl R., Moore, C. Marquez de la Plata, C.D., Ding, K., Whittemore, A. Babcock, E., Rickbeil, E.T., Dobervich, J., Kroll, D., Dao, B., Mohindra, N., & Diaz-Arrastia, R. (2008). Diffusion Tensor Tractography of Traumatic Diffuse Axonal Injury. *Archives of Neurology*, **65**, 619–626.
63. Chrea, C., Ferdenzi, C, Valentin, D., & Abdi H. (2007). Revisiting the relation between language and cognition: A Cross-cultural study with odors. *Current Psychology Letters: Behavior, Brain, & Cognition*, **22**, 1–14.
62. O'Toole, A.J., Jiang, F., Abdi, H., Pénard, N., Dunlop, J.P., & Parent, M.A. (2007). Theoretical, statistical, and practical perspectives on pattern-based classification approaches to the analysis of functional neuroimaging data. *Journal of Cognitive Neuroscience*, **19**, 1735–1752.
61. O'Toole, A.J., Abdi, H., Jiang, F., & Phillips, J. (2007). Fusing face recognition algorithms and humans. *IEEE: Transaction on Systems, Man, & Cybernetics, Part B*, **37**, 1149–1155.
60. O'Toole, A.J., Phillips, J., Jiang, F., Ayyad, J., Pénard, N., & Abdi, H., (2007). Face recognition algorithms surpass humans matching faces over changes in illumination. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **29**, 1642–1646.
59. Abdi, H., Valentin, D., Chollet, S., & Chrea, C. (2007). Analyzing assessors and products in sorting tasks: distatis, theory and applications. *Food Quality and Preference*, **18**, 627–640.
58. Yang, F., Paindavoine, M., & Abdi, H., (2006). Fast panoramic face mosaicing and recognition. *Journal of Multimedia*, **1**, 14–20.
57. Roark, D.A., O'Toole, A.J., Abdi, H., & Barrett, S.E., (2006). Learning the moves: The effect of familiarity and facial motion on person recognition across large changes in viewing format. *Perception*, **36**, 761–773.
56. Caldara, R., & Abdi, H. (2006). Simulating the “other-race” effect with autoassociative neural networks: Further evidence in favor of the face-space model. *Perception*, **36**, 649–670.
55. Otsuka, Y., Kanazawa, S., Yamaguchi, M., O'Toole, A.J., & Abdi, H. (2005). The effect of motion information on infants' recognition of unfamiliar faces. *The Japanese Journal of Psychonomic Science*, **24**, 125–126.
54. O'Toole, A.J., Harms, J., Snow, S.L., Hurst, D.R., Pappas, M.R., Ayyad, J., & Abdi, H., (2005). A video database of moving faces and people. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **27**, 812–816.
53. Yang, F., Paindavoine, M. Abdi, H., & Monopoly, A. (2005) Development of a fast panoramic face mosaicing and recognition system. *Optical Engineering*, **44**, 087005, 1–10.
52. O'Toole, A.J., Jiang, F., Abdi, H., & Haxby, J.V. (2005). Partially distributed representations of objects and faces in ventral temporal cortex. *Journal of Cognitive Neuroscience*, **17**, 580–590.

51. Chrea C., Valentin, D., Sulmont-Rossé C., Nguyen-Hoan, D., & Abdi, H. (2005). Semantic, typicality, and odor representation: A cross-cultural study. *Chemical Senses*, **30**, 37–49.
50. Chollet, S., Valentin, D., & Abdi, H. (2005). Do trained assessors generalize their knowledge to new stimuli? *Food Quality and Preference*, **16**, 13–21.
49. Chrea C., Valentin D., Sulmont-Rossé C., Ly Mai, H., Hoang Nguyen D., & Abdi H. (2004). Culture and odor categorization: Agreement between cultures depends upon the odors. *Food Quality and Preference*, **15**, 669–679.
48. Valentin, D., Chollet, S., & Abdi, H. (2003). Les mots du vin: Experts et novices diffèrent-ils quand ils décrivent des vins? (Wine talk: do experts and novices differ when they describe wines). *Corpus*, **2**, 183–200.
47. Posamentier M., & Abdi, H. (2003) Processing faces and facial expression. *Neuropsychology Reviews*. **13**, 113–144.
46. Roark, D.A., Barrett, S.E., Spence, M.J., Abdi, H., & O’Toole, A.J. (2003). Psychological and neural perspectives on the role of motion in face recognition. *Behavioral and Cognitive Neuroscience Reviews*, **2**, 15–46.
45. Abdi, H. (2002). What can cognitive psychology and sensory evaluation learn from each other? *Food Quality and Preference*, **13**, 445–451.
44. O’Toole, A.J., Roark, D.A., & Abdi, H. (2002). Recognizing moving faces: A psychological and neural framework. *Trends in Cognitive Science*, **6**, 261–266.
43. Chang Y.D., O’Toole, A.J., & Abdi H. (2001). Classifying adults’ and children’s faces by sex: Computational investigations of subcategorical feature encoding. *Brain and Cognitive Sciences*, **25**, 819–838.
42. Valentin, D., & Abdi, H. (2001). Face recognition by myopic baby neural networks. *Child and Infant Development*, **10**. 19–20.
41. Yang F., Paindavoine, M., & Abdi, H. (2000) A new image filtering technique combining a wavelet transform with a linear neural network application for face recognition. *Optical Engineering*, **38**, 2894–2899.
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