

## CURRICULUM VITAE



- 1 Surname : Deloire  
Name : Alain
- 2 Date of birth : 3 August 1955
- 3 Nationality : French
- 4 Address : Department of Viticulture and Oenology, Faculty of AgriSciences,  
Stellenbosch University, Private Bag X1, Matieland, 7602 Stellenbosch,  
South Africa; e-mail: deloire@sun.ac.za; telephone: + (27) 21 808 2747;  
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5 Education :

*Institution* University of Montpellier II  
*Date* 1982  
*Degree obtained* PhD in Plant Sciences

*Institution* University of Montpellier II  
*Date* 1979  
*Degree obtained* DEA which was the equivalent of a Master of Sciences  
(Plant Sciences)

6 Present position:

Professor in Viticulture (Stellenbosch University).

Key qualifications: Expert in viticulture; higher and professional teaching in general viticulture, grapevine physiology and biochemistry (berry ripening, vine and water relationships, irrigation, reasoning of harvest potentialities), terroir concept, basic knowledge of oenology.

- 7 Winner in 2002 of the national ANVAR “en émergence” competition for the founding a start-up of company, “SFERIS”, specialising in vineyard innovations and optimisation of harvest potential. From 2002 - 2008, shareholder and viticulture expert for SFERIS.

8 Professional experience:

- Professor of grapevine physiology and biochemistry (Agro Montpellier; 1996 - 2008).
- Engineer in viticulture and leader team for Moët and Chandon – LVMH group (1984 – 1993).
- Associate professor in Reims University (Champagne) (1993 – 1995).

9 Language skills:

<i>Language</i>	<i>Reading</i>	<i>Spoken</i>	<i>Written</i>
French	yes	yes	yes
English	yes	yes	yes
Spanish	basic	basic	basic

10 Membership of professional associations:

- "Vinelink" international association ;
- GESCO: Groupement Européen des Systèmes de Conduite de la Vigne; invited participant in the OIV (International Vine and Wine Organisation) commission on grapevine physiology.

11 Other activities:

Member of a social association "Jeune Chambre Economique" (1985 - 1987). Basic training in operational management with the "Centre Européen d'Education Permanente (CEDEP)", Fontainebleau, France; one month work placement, 1993.

12. Professional Experience:

**International Missions**

<i>Date:</i>	1987
<i>Location:</i>	United States
<i>Company:</i>	Moet et Chandon
<i>Position:</i>	Senior engineer/ team leader
<i>Description:</i>	Presentation viticulture research and development at Moet and Chandon in New York and San Francisco

<i>Date:</i>	1991
<i>Location:</i>	Hungary
<i>Company:</i>	Moet Hennessy Louis Vuitton
<i>Position:</i>	Senior engineer/team leader
<i>Description:</i>	Organisation of an international symposium on "Grapevine and Environment" in Budapest

<i>Date:</i>	1994
<i>Location:</i>	Ukraine
<i>Institute:</i>	University of Reims Champagne
<i>Position:</i>	Associate Professor
<i>Description:</i>	Speaker at the VI <sup>th</sup> International Symposium on Grape Breeding

<i>Date:</i>	1999
<i>Location:</i>	Germany
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier - EEC
<i>Position:</i>	Professor
<i>Description:</i>	EEC mission to visit Rhein valley vineyards and scientific laboratories and institutes in Friburg, Geisenheim and Geilweilerhoff. Invited speaker in each centre.

<i>Date:</i>	2000
<i>Location:</i>	Kosovo
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier - EEC
<i>Position:</i>	Professor – vine expert
<i>Description:</i>	Expert for France and EEC. Evaluation of the state vineyards and wines of Kosovo. The vineyards visited were: Malisevo (792 hectares); Rahovac (500 ha.); Suhareka (605 ha.); Krusha (950 ha.); and Jakova (175 ha.).

<i>Date:</i>	2000
<i>Location:</i>	Argentina
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – University Cujan de Luyo.
<i>Position:</i>	Professor
<i>Description:</i>	Third-level teaching in viticulture for the students of the MSc in viticulture and oenology. Teaching load of 25 hours (every two years), in the framework of an official collaboration between AGRO.M and Lujan de Cuyo University (Mendoza). Consultant to grapevine nurseries and wine companies (pruning, irrigation etc.)

<i>Date:</i>	2000
<i>Location:</i>	Colombia
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – University of Tunja
<i>Position:</i>	Professor – vine expert
<i>Description:</i>	Third-level teaching in viticulture for professionals and for students and professors of Tunja University. Consultant to grape growers (grapevine pruning, identification of diseases, planting etc.) and wine makers.

<i>Date:</i>	2000
<i>Location:</i>	Portugal
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – Fundação Eugenio Almeida
<i>Position:</i>	Professor – vine expert
<i>Description:</i>	Provision of expertise to the "Fundação Eugenio Almeida" in Alentejo area, on grapevine irrigation. Speaker on "grapevine berries development and phenols" for professors and students at the "Instituto superior de agronomia", Lisbon.

<i>Date:</i>	2001
<i>Location:</i>	Uruguay
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – University of Agronomy, Montevideo
<i>Position:</i>	Professor
<i>Description:</i>	Third-level teaching in viticulture for MSc students in viticulture and oenology. Teaching load 25 hours, in the context of an official collaboration between AGRO.M and the University of Agronomy, Montevideo. Consultant in vineyard vine training system, soil management, harvest quality etc.

<i>Date:</i>	2002
<i>Location:</i>	South Africa
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – ARC-Fruit, vine and wine research Institute, Stellenbosch
<i>Position:</i>	Professor
<i>Description:</i>	Research in the laboratory of Dr K. Hunter as expert in grapevine biochemistry and physiology in the context of a contract with private funding - February.

<i>Date:</i>	2002
<i>Location:</i>	Argentina and Chile
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – University Cujan de Luyo.
<i>Position:</i>	Professor
<i>Description:</i>	Third-level teaching in viticulture for MSc students in viticulture and enology. Teaching load 25 hours (every two years), in the context of an official collaboration between AGRO.M and Lujan de Cuyo University (Mendoza). Consultant to grapevine nurseries and wine companies (pruning, irrigation etc.). Invited speaker in Chile (2 lectures) at the "Pontificia Universidad Catolica de Chile" in the symposium "Temas de actualización en viticultura y enología".

<i>Date:</i>	2003
<i>Location:</i>	South Africa
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – ARC-Fruit, vine and wine research Institute, Stellenbosch
<i>Position:</i>	Professor
<i>Description:</i>	Research in the laboratory of Dr K. Hunter on grapevine biochemistry and physiology in the ripening of Syrah berries (February).

<i>Date:</i>	2003
<i>Location:</i>	Brazil and Uruguay
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – Embrapa, Bento Gonçalves and University of Agronomy, Montevideo
<i>Position:</i>	Professor
<i>Description:</i>	Visit to vineyards and cellars and speaker to the GESCO meeting - January.

<i>Date:</i>	2003
<i>Location:</i>	New Zealand
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – New Zealand winegrowers
<i>Position:</i>	Professor
<i>Description:</i>	Visit to vineyards and cellars and Key speaker to the Romeo Bragato Conference – August.

<i>Date:</i>	2003
<i>Location:</i>	South Africa
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier - SASEV
<i>Position:</i>	Professor
<i>Description:</i>	Key speaker at the South African Society for Enology and Viticulture Congress, 5-7 November 2003. Vineyard consultant .

<i>Date:</i>	2004
<i>Location:</i>	South Africa
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – ARC-Fruit, vine and wine research Institute, Stellenbosch
<i>Position:</i>	Professor
<i>Description:</i>	Research in the laboratory of Dr K. Hunter on grapevine biochemistry and physiology in the ripening of Syrah berries (February).

<i>Date:</i>	2005
<i>Location:</i>	South Africa
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – ARC-Fruit, vine and wine research Institute, Stellenbosch
<i>Position:</i>	Professor
<i>Description:</i>	Research in the laboratory of Dr K. Hunter on grapevine water content and berry ripening (Syrah) – January-February.

<i>Date:</i>	2005
<i>Location:</i>	Chile
<i>Institute</i>	Ecole Nationale Supérieure Agronomique de Montpellier
<i>Position:</i>	Professor
<i>Description:</i>	Scientific expert for professionals in Chile.

<i>Date:</i>	2005
<i>Location:</i>	Italy
<i>Institutes</i>	Ecole Nationale Supérieure Agronomique de Montpellier – University of Padua
<i>Position:</i>	Professor
<i>Description:</i>	Lecturer at the Padua Institute.

<i>Date:</i>	2005
<i>Location:</i>	China
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – University of Padua
<i>Position:</i>	Professor
<i>Description:</i>	Speaker and lecturer at the Ninxhia University.

<i>Date:</i>	2006
<i>Location:</i>	Spain
<i>Institutes:</i>	Ecole Nationale Supérieure Agronomique de Montpellier – AZ3 oenologie
<i>Position:</i>	Professor
<i>Description:</i>	Speaker at the VI enological technical symposium of AZ3.

<i>Date:</i>	2007
<i>Location:</i>	Poland
<i>Institutes:</i>	Montpellier SupAgro – ICEO
<i>Position:</i>	Professor
<i>Description:</i>	Speaker at the Zakopané symposium on oenology.

<i>Date:</i>	2007
<i>Location:</i>	South Africa
<i>Institutes:</i>	Montpellier SupAgro – Stellenbosch University
<i>Position:</i>	Professor
<i>Description:</i>	Examiner in the assessment of the Department of Viticulture and Oenology at Stellenbosch University.

<i>Date:</i>	2008
<i>Location:</i>	South Africa
<i>Institute</i>	Montpellier SupAgro – Stellenbosch University
<i>Position:</i>	Professor
<i>Description:</i>	Three-month secondment (April-July) at the Stellenbosch University in the framework of a teaching mission in English (lectures and participation in the organisation of teaching at degree and master's level). Participation in a research project on grape ripening.

<i>Date:</i>	2008
<i>Location:</i>	South Africa
<i>Institute</i>	Montpellier SupAgro – Stellenbosch University
<i>Position:</i>	Professor
<i>Description:</i>	One-month secondment (november) at Stellenbosch University in the framework of a research and teaching mission (management of master thesis students, post graduate level in viticulture and oenology). Participation as speaker at the SASEV conference

### Teaching areas

- terroir concept
- French and international vineyards (basics)
- training systems and history of training systems
- grapevine histo-morphology
- grapevine flowering
- grapevine physiology and mineral nutrition
- grapevine and growth hormones
- grapevine defence mechanisms
- berry development and composition
- grapevine and berry development in relation to plant water status
- berry composition evolution in relation to plant water status
- optimisation of harvest potential and technological innovation

### Educational methods

- Development of pedagogical sheets for the e-teaching and e-learning (now in collaboration with the Stellenbosch University DVO department),
- Implementation of a professional website with technical articles and with, for a new section "vine sciences", pedagogical sheets (<http://www.obs-viti-cg34.com>).

### Publications in journals without impact factor

**2008.** DELOIRE A., PREVOST P., KELLY M.T. Unravelling the terroir mystique – An agro-socio-economic perspective. *Revue Française d'Oenologie*, Cahier Technique, août - septembre, 231, 5-11.

**2007.** DELOIRE A. Les potentialités aromatiques du raisin: influence des itinéraires culturels. Exemple du Sauvignon blanc (*Vitis vinifera* L.): mini revue bibliographique et résultats originaux. *Paysan du Midi*, 3144, 9-11.

**2007.** TONDUT J. L., LAGET F., DELOIRE A. Climat et viticulture: évolution des températures sur le département de l'Hérault. Un exemple de réchauffement climatique. *Le Progrès Agricole et Viticole*, 124, 3, 55-61.

- 2007.** DELOIRE A., BRENON E., ZEBIC O., BERNARD N. ET LARCHEVEQUE B.: qualité de la vendange, de nouveaux indicateurs au service des professionnels. *Vins et Santé*, 2007, 12<sup>ème</sup> année, *Editions du Voyage*, p. 84-88
- 2006.** DELOIRE A., CARBONNEAU A., WANG Z., OJEDA H. Vid y agua, una breve revision. *Revista Enología*, 5, ano III noviembre – diciembre.
- 2006.** DELOIRE A., ZEBIC O., BERNARD N. État hydrique de la vigne et style de vin, 257 - 259. In *Vins et Santé*, 11<sup>ème</sup> année, *Ed. du voyage*, Lattes, France, (11), p. 352.
- 2006.** TONDU J.L., LAGET F., DELOIRE A. Climat et viticulture: Evolution des températures sur le département de l'Hérault: un exemple de réchauffement climatique. *Revue Française d'œnologie*, 219.
- 2006.** DELOIRE A. Le Chili et ses régions viticoles. Éléments d'information (suite et fin). *Le Progrès Agricole et Viticole*, 123, 1, 8 – 10.
- 2005.** DELOIRE A. Le Chili et ses régions viticoles. Éléments d'information (première partie). *Le Progrès Agricole et Viticole*, 122, 24, 528-531.
- 2005.** DELOIRE A., OJEDA H., ZEBIC O., BERNARD N., HUNTER J.J, CARBONNEAU A. Influence de l'état hydrique de la vigne sur le style de vin. *Le Progrès Agricole et Viticole*, 122, 21, 455 – 462.
- 2005.** BRENON E., BERNARD N., ZEBIC O., DELOIRE A. Maturité du raisin: proposition d'une méthode utilisant le volume des baies comme indicateur. *Revue des Œnologues*. 117, 1 – 3.
- 2005.** DELOIRE A., ZEBIC O., BERNARD N., BRENON E., HUNTER J.J. Influence de l'état hydrique de la vigne sur le style de vin. *Revue Française d'Œnologie*, 215, 11 - 15.
- 2005.** DELOIRE A. Les terroirs viticoles: mythe ou réalité ? *Le Progrès Agricole et Viticole*. 122, 8, 175-178.
- 2005** DELOIRE A. et HUNTER J.J. Microclimat des grappes et maturation du raisin. *Le Progrès Agricole et Viticole*. 122, 7, 151 – 157.
- 2005** DELOIRE A. Les terroirs viticoles, mythe ou réalité ?. *Vins et Santé*, 10<sup>ème</sup> année. *Editions du Voyage*, Lattes, 86 – 89.
- 2004.** DELOIRE A. La vigne en Nouvelle Zélande. *Le Progrès Agricole et Viticole*. 121, 6, 137 – 141.
- 2004.** OJEDA H., DELOIRE A., WANG Z , CARBONNEAU A., 2004. Detereminación y Control del Estado Hídrico de la Vid. Efectos Morfológicos y Fisiológicos de la Restricción Hídrica en Vides. *Viticultura/Enología Profesional*, 90: 27-43.
- 2004.** BERNARD N., ZEBIC O., DELOIRE A. Estimation de l'état hydrique de la vigne par la mesure de la température foliaire: un outil au service des professionnels. *Le Progrès Agricole et Viticole*. 121, 23, 539-542.
- 2003.** DELOIRE A., CARBONNEAU A., FEDERSPIEL B., OJEDA H., WANG Z., COSTANZA P. La vigne et l'eau. *Le Progrès Agricole et Viticole*. 120, 4, 79-90.
- 2002.** DELOIRE A., LOPEZ F., CARBONNEAU A. Réponses de la vigne et terroir. Eléments pour une méthode d'étude. *Le Progrès Agricole et Viticole*. 119, 4, 78 – 86.

- 2002.** DELOIRE A., OJEDA H., KRAEVA E., CARBONNEAU A., ANDARY C. L'autodéfense des baies de raisin: une nouvelle composante de la qualité ? *Vini Vitis Bio*, N°25, mai.
- 2001.** DELOIRE A., BAPTISTA P. Aperçu du vignoble de la région de l'Alentejo au Portugal. *Le Progrès Agricole et Viticole*, 118 (11),259 - 262.
- 2001.** DELOIRE A., CARBONNEAU A., ERNESTY D. Quelques éléments historiques de l'évolution des architectures de vigne. Deuxième partie: Diversité des systèmes de conduite de la vigne au XIXème siècle en France (suite et fin). *Le Progrès Agricole et Viticole*, 118 (9),202 - 214.
- 2001.** DELOIRE A., CARBONNEAU A., ERNESTY D. Quelques éléments historiques de l'évolution des architectures de vigne. Deuxième partie: Diversité des systèmes de conduite de la vigne au XIXème siècle en France. *Le Progrès Agricole et Viticole*, 118 (8),177 - 186.
- 2001.** CARBONNEAU A., GARRIER G., DELOIRE A. Quelques éléments historiques de l'évolution des architectures de vigne. *Le Progrès Agricole et Viticole*, 118 (7),155 - 161.
- 2001.** CARBONNEAU A. et DELOIRE A. OGM-vigne: réponse à des questionnements. *Le Progrès Agricole et Viticole*, 118 (6), 131-132.
- 2001.** SOUQUERE P., DELOIRE A., CARBONNEAU A. Les Côtes de Toul: une appellation d'origine contrôlée récente *Le Progrès Agricole et Viticole*, 118 (4), 78 – 84.
- 2001.** CARBONNEAU A. and DELOIRE A. Plant organization based on source-sink relationships: new finding on developmental, biochemical and molecular responses to environment. P. 263 – 280. In Kalliopi A. Roubelakis-Angelakis, *Molecular Biology & Biotechnology of the Grapevine. Kluwer Academic Publishers*, p. 474.
- 2000.** DELOIRE A., KRAEVA E., ANDARY C. Les défenses naturelles de la vigne. *Le Progrès Agricole et Viticole*, 117 (11), p. 254 – 262.
- 2000.** CARBONNEAU A. et DELOIRE A. Kosovo: la vigne au-delà du massacre *Le Progrès Agricole et Viticole*, 117 (10), 223 – 229.
- 1999.** DELOIRE A., OJEDA H., KRAEVA E., CARBONNEAU A., ANDARY C. L'autodéfense des baies de raisin: une nouvelle composante de la qualité ? *Revue des oenologues* , 91, 5-7.
- 1998.** MARTIN J.C. et DELOIRE A. Repères chronologiques de l'histoire de la viticulture en Languedoc Roussillon. *Le Progrès Agricole et Viticole*, 115 (24), 530-533.
- 1998.** DELOIRE A., CARBONNEAU A. L'amélioration génétique ciblée de la vigne par transformation génétique. Quelques éléments de réflexion. *Le Progrès Agricole et Viticole*, 115 (11), 257-259.
- 1998.** DELOIRE A., KRAEVA E., DAI G.H., RENAULT A.S., ROCHARD J., CHATELAIN C., CARBONNEAU A., ANDARY C. Les mécanismes de défense de la vigne. Des utilisations possibles pour lutter contre les pathogènes . *Phytoma*, 510, 46-51.
- 1995.** DELOIRE A., MÜLLER B., BERLIOZ G., et PANIGAÏ L. Influence de la lumière sur la floraison des cépages Chardonnay et Pinot noir en Champagne: relation avec la coulure. *Le Progrès Agricole et Viticole*,112, N°15-16.
- 1996.** DELOIRE A. et A.S. RENAULT. Renforcer l'immunité naturelle pour lutter contre les maladies fongiques: une solution d'avenir respectueuse de l'environnement. *Le Progrès Agricole et Viticole*, 113, 140-142.

**1995.** DELOIRE A.,- Face à une attaque de pourriture grise, la vigne se défend avec des protéines. *La Vigne*, 28, Septembre.

**1993.** DELOIRE A.,- Tradition, Qualité et Recherche. *Le Vigneron Champenois*, P. 25-26.

**1991.** DELOIRE A., Les biotechnologies appliquées à la vigne: quelques commentaires sur leurs possibilités et leurs limites. *Revue des Oenologues*, N°60.

**1991.** DELOIRE A., MAURO M.C.- Amélioration de la vigne par la voie des biotechnologies: réalités et perspectives. *Rev. Cyto. Biol. Végét.- Bot.*, 14, 265-269.

**1982.** DELOIRE A., GREANAN S. Influence de solutions hormonées sur l'histogénèse de greffes compatibles du genre *Vitis*. *Le Progrès Agricole et Viticole*, 5, 122-124.

**1982.** DELOIRE A., BERNARD A.C. Etude histogénétique du greffage ligneux de combinaisons compatibles et incompatibles du genre *Vitis*. *Le Progrès Agricole et Viticole*, 1, 29-32.

**1982.** VALAT C., GREANAN S., DELOIRE A. Accidents sur greffés-soudés à la suite de l'emploi d'hormones lors du greffage sur table. *Le Progrès Agricole et Viticole*, 4, 80-82.

**Speaker at meetings of wine industry professionals** (examples, non exhaustive list)

**Oct. 2008.** DELOIRE A. Grapevine functioning and water: consequences on irrigation management. Canal de Provence, Aix en Provence, October 24<sup>th</sup>.

**April 2008.** DELOIRE A. Viticultural research: terroir or molecular biology ? Conference on the theme "The current and future impact of biotechnology in the wine sciences", *SASEV/WINETECH Forum*, Stellenbosch, South Africa.

**March 2007.** DELOIRE A. Le transfert technologique: de la recherche à l'application. *Conférence de l'association des maires de l'Hérault*, Capestang, France.

**May 2006.** DELOIRE A. Nuevo enfoque de la madurez fenolica y aromatica de la uva, *VI Jornada Tecnica AZ3 Oeno*, Zaragoza, Spain..

**January 2006.** DELOIRE A. Terroirs et qualité de la vendange. *Syndicat des vigneronns de Tain l'Hermitage*, France.

**July 2005.** DELOIRE A. Les terroirs viticoles, concept. *Vinitech*, Santiago, Chile.

**July 2005.** DELOIRE A. Les relations « vigne – raisin". *Vinitech*, Santiago, Chile.

**Nov 2004.** DELOIRE A. La recherche en Afrique du Sud: un exemple d'organisation ? *Colloque sur les pays viticoles du nouveau monde. Conseil Général de l'Hérault*, France.

**April 2003.** DELOIRE A. La vigne et l'eau. *Chambre d'agriculture du Gard*. France.

**January 2003.** DELOIRE A. La vigne et l'eau. *Chambre d'agriculture de l'Aude. Séminaire professionnel*, France.

**July 2002.** DELOIRE A., FEDERSPIEL B. Relations vigne – raisin et contrainte hydrique. Colloque « Bonnes pratiques culturales pour limiter la contrainte hydrique de la vigne en AOC Corbières", *Syndicat de l'AOC Corbières*, Boutenac, France.

**Nov 2001.** DELOIRE A., CARBONNEAU A. Diversité des architectures de vigne au 19<sup>ème</sup> siècle. Impact sur les paysages viticoles. *SITEVI*, Montpellier, France.

**Nov 2000.** DELOIRE A. Les paysages viticoles. 4<sup>ème</sup> rencontres du tourisme vert, *Gîtes de France*, Le Pouget, France.

**Feb 1994.** DELOIRE A., MAURO M.C.- Les biotechnologies appliquées à la vigne. Bilan de 10 ans de recherche-développement en champagne. *CRBB-URCA- University of Reims*, France.

**June 1994.** DELOIRE A.- Protection de la vigne et lutte contre le *Botrytis*. Troyes, *Agence Régionale pour la Recherche et le Développement (ARRD)*, France.

### **PhD Supervision or co-supervision**

**Flor Etchebarne**, (Peru) 2006 – 2008.

Title: "Influence of grapevine water status in interaction with the leaves area on water, sugar and minerals berry loading (*Vitis vinifera* L., CV. Grenache noir)". PhD, SupAgro Montpellier, France

PhD promotor.

**Zhenping Wang**, (China) 2001 – 2003.

Title: "Influence of vine water status in interaction with the training system on vine sugar distribution and on berry sugar loading (*Vitis vinifera* L., CV. Syrah)". PhD, SupAgro Montpellier, France, presented, December 2003.

A. Carbonneau and A. Deloire (PhD co-promoters).

**Hernan Ojeda**, (Argentina). 1997 – 1999.

Title: "Influence of grapevine water status on berry growth and phenolics composition (*Vitis vinifera* L. cv. Syrah)". PhD, SupAgro Montpellier. presented November, 1999.

A. Carbonneau and A. Deloire (PhD co-promoters).

**Elena Kraeva**, PhD student at the University of St Pétersbourg, Russie. 1996 – 1999.

Title: «Grapevine defense mechanisms (*Vitis vinifera* L.): berry evolution of  $\alpha$ -1,3-glucanases and of phenolic compounds". PhD from the University of *Reims Champagne-Ardenne*. Presented December 1999.

J. Bierne and A. Deloire (PhD co-promoters).

**Anne Sophie Renault**, France. 1996 –1998.

Titre: "Induction of pathogenesis related proteins (PRs) in grapevine leaves infected by *Botrytis cinerea*: first identification of a  $\alpha$ -1,3-glucanase (PR2) and study of its expression». PhD from the University of *Reims Champagne-Ardenne*. Presented November 1998.

J. Bierne and A. Deloire (PhD co-promoters).

## **Scientific publications**

### **In international journals with impact factor**

**2008.** ETCHEBARNE F., OJEDA H., DELOIRE A. Influence of vine water status and vintage effects on mineral supply to grape berries during ripening (*Vitis vinifera* L cv. Grenache Noir). *Vitis* (in press).

**2008.** LAGET F., TONDUT J.L, DELOIRE A., KELLY M.T. Climate trends in a specific mediterranean viticultural area between 1950 and 2006. *J. Int. Sci. Vigne vin*, 42, 3, 113-123.

**2008.** DELOIRE A., PREVOST P., KELLY M.T. Unravelling the terroir mystique – An agro-socio-economic perspective. *Cab Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*, 3, 32. <http://www.cababstractsplus.org/cabreviews>.

**2005.** DELOIRE A., VAUDOUR E., CAREY V., BONNARDOT V., VAN LEEUWEN C. Grapevine responses to terroir, a global approach. *J. Int. Sci. Vigne vin*, 39 (4), 149-162.

**2004.** COSTENZA P., TISSEYRE B., HUNTER JJ., DELOIRE A. A non-destructive method for determining grapevine (*Vitis vinifera* L.) leaf area by means of shoot length. *S. Afr. J. Enol.* 25, 2, 43-47.

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### **Patents (co-inventor)**

**1993.** A variable volume reactor device for the culture of cell material. Deposited by LVMHR-setric (patent N°93910090.5).

**1993.** Stabilised culture of cellular aggregates and development process for embryos prepared from a proembryogenic source for vine regeneration. Deposited by MOET & CHANDON (patent N°93910109.3).

**1994.** Procedure to enhance cellular differentiation, growth substances with lipid transfer activities and associated DNA sequences and corresponding oligonucleotide probes. Deposited by LVMH.

**Scientific oral and poster presentations at conferences.**

**Lectures.** (the speaker is underlined)

**Nov. 2008.** DELOIRE A., KELLY M., BERNARD N. Managing harvest potential: Navigating between terroir and the market. *31<sup>st</sup> conference of the South African Society for Enology and Viticulture.* Somerset West, 11-14 November.

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### **Posters**

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**Dec 1997.** RENAULT A.S., LETINOIS I., KRAEVA E., BIERNE J. and A. DELOIRE: Grapevine infection with *Botrytis cinerea* results in synthesis of pathogenesis-related proteins. *5<sup>ème</sup> Conférence Internationale sur les maladies des plantes*, Tours, France.

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**July 1992.** MAURO M.C., TOUTAIN S., DELOIRE A.- Genetic transformation of 41B grapevine rootstock through *Agrobacterium tumefaciens*. *XIII th Eucarpia Congress*, Angers, France.

**June 1990.** GUELLEC V., NETZER M.H., ROBIN O., DAVID C., MAURO M.C., DELOIRE A., TEMPE J.- *Agrobacterium* mediated transformation of grapevine embryogenic calli. *VII th international congress on plant tissue and cell culture*, Amsterdam, The Netherlands.

### **PhD External examiner**

**2000.** Frédéric GEORGET – Amélioration des techniques de micropropagation *in vitro* des bananiers par embryogenèse somatique en vue d'une adaptation industrielle du procédé. April, University d'Angers. Thesis evaluator.

**2000.** Fabienne LARRONDE – Régulation de la biosynthèse des anthocyanes et des stilbènes par les sucres et le méthyl jasmonate chez *Vitis vinifera*. Induction des défenses naturelles de la vigne. December, University of Bordeaux 2. Thesis evaluator, President of the board of examiners

**2001.** Annick DARRIEUMERLOU - Implication des polyamines et de l'acide abscissique dans la relation hôte-parasite entre le raisin et le champignon *Botrytis cinerea*. December, University of Bordeaux 2. Thesis evaluator.

**2002.** Philippe LANGELIER – Polyamines et rajeunissement de la vigne cultivée *in vitro* et après réimplantation au vignoble. Septembre, University of Bourgogne. External examiner.

**2007.** Séverine GAGNE – Implication de l'équilibre hormonal dans les mécanismes de maturation phénolique du raisin: étude du rôle de l'acide abscissique sur la composition et la biosynthèse des tanins de la pellicule. December, University of Bordeaux 2, Thesis evaluator.

**2008.** Rana JreiJ – Itinéraires culturaux et composition azotée de la baie (*Vitis vinifera* L.). December, University of Montpellier 1. Thesis evaluator, President of the board of examiners.