



PIN Number: 190633

CV Type: CIHR Academic

## Personal Information

### Identification

Title  Family Name  First Name  Date of Birth  Sex  Correspondence language Canadian Residency Status 

### Country of Citizenship

|   | Country of Citizenship |
|---|------------------------|
| 1 | Canada                 |

### Language Skills

|   | Language | Read | Write | Speak | Understand |
|---|----------|------|-------|-------|------------|
| 1 | English  | Yes  | Yes   | Yes   | Yes        |
| 2 | French   | Yes  | Yes   | Yes   | Yes        |

### Address

The primary Address is denoted by (\*)

|    |   |
|----|---|
| 1  | Address Type <input type="text" value="Courier"/><br>63 Highland Woods Ctr<br>London<br>Canada / Ontario<br>N6C 5X1   |
| *2 | Address Type <input type="text" value="Primary Affiliation"/><br>Victoria Campus, LHSC<br>800 Commissioners Rd E<br>B1-181<br>London<br>Canada / Ontario<br>N6C 5W9 |

### Telephone

The primary Telephone is denoted by (\*)

|    | Phone Type | Country Code | Area Code | Telephone Number |
|----|------------|--------------|-----------|------------------|
| 1  | Fax        | 1            | 519       | 6858171          |
| *2 | Work       | 1            | 519       | 6858107          |

### Email

The primary Email is denoted by (\*)

|    | Email Type | Email Address   |
|----|------------|-----------------|
| *1 | Work       | sderibau@uwo.ca |

## User Profile

### Disciplines Trained In

|  | Discipline Trained In |
|--|-----------------------|
|--|-----------------------|

|   |         |
|---|---------|
| 1 | Surgery |
|---|---------|

## Research Disciplines

|   | Research Discipline |
|---|---------------------|
| 1 | Anatomy             |
| 2 | Neurosciences       |

## Areas of Research

|   | Area of Research                   |
|---|------------------------------------|
| 1 | Brain Metabolism                   |
| 2 | Cognitive Development in Children  |
| 3 | Cognitive Neuropsychology of Aging |
| 4 | Convulsive Disorders/ Epilepsy     |
| 5 | Modelization and Simulation        |
| 6 | Nervous System Development         |
| 7 | Virtual Reality                    |

## Fields of Application

|   | Field of Application                   |
|---|--|
| 1 | Biomedical Aspects of Human Health     |
| 2 | Pathogenesis and Treatment of Diseases |

## Research Specialization Keywords

|   | Research Specialization Keywords |
|---|----------------------------------|
| 1 | Brain Development                |
| 2 | DTI                              |
| 3 | epilepsy                         |
| 4 | fMRI                             |
| 5 | functional imaging               |
| 6 | hydrocephalus                    |
| 7 | imaging                          |
| 8 | neurosurgery                     |
| 9 | Traumatic Brain Injury           |

## Education

### Degrees

| 1 | Degree Type <input type="text" value="Master's Thesis"/> Degree Name <input type="text" value="Master's of Science - Masters"/> Specialization <input type="text" value="Neuroimaging for Research"/><br>Organization <input type="text" value="University of Edinburgh"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="2008/9"/> Degree Received Date <input type="text" value="2011/7"/><br><b>Supervisors</b><br><table border="1"> <tr> <th></th> <th>Supervisor Name</th> </tr> <tr> <td>1</td> <td>Prof J. Wardlaw</td> </tr> </table>                      |  | Supervisor Name | 1 | Prof J. Wardlaw     |
|---|---|--|-----------------|---|---------------------|
|   | Supervisor Name   |  |                 |   |                     |
| 1 | Prof J. Wardlaw   |  |                 |   |                     |
| 2 | Degree Type <input type="text" value="Doctorate Equivalent"/> Degree Name <input type="text" value="Specialty in Neurosurgery - M.D."/> Specialization <input type="text" value="Neurosurgery"/><br>Other Organization <input type="text" value="Federation des Medecins Helvetiques"/> Degree Status <input type="text" value="Completed"/> Degree Start Date <input type="text" value="2000/10"/><br>Degree Received Date <input type="text" value="2006/4"/><br><b>Supervisors</b><br><table border="1"> <tr> <th></th> <th>Supervisor Name</th> </tr> <tr> <td>1</td> <td>Prof J.G. Villemure</td> </tr> </table> |  | Supervisor Name | 1 | Prof J.G. Villemure |
|   | Supervisor Name   |  |                 |   |                     |
| 1 | Prof J.G. Villemure   |  |                 |   |                     |
| 3 |   |  |                 |   |                     |

Degree Type Doctorate Equivalent Degree Name Research thesis - M.D. Organization University of Geneva Degree Status CompletedDegree Start Date 2000/3 Degree Received Date 2004/3**Supervisors**

|   | Supervisor Name                 |
|---|---------------------------------|
| 1 | Prof D. Slosman, Prof Rufenacht |

**Credentials**

|   | Title                    | Other Organization  | Effective Date | End Date |
|---|--------------------------|---|----------------|----------|
| 1 | Epileptology certificate | University of Nancy   | 2006/10        | 2008/10  |
| 2 | Neurosurgeon             | Swiss Medical Association (Federation des Medecins Helvetiques) | 2006/4         | 2006/4   |
| 3 | PALS                     | PALS  | 2003/11        | 2003/11  |
| 4 | ATLS                     | ATLS  | 2002/9         | 2002/9   |

**Recognitions**

|   | Recognition Type | Recognition Name    | Organization            | Effective Date | End Date | Amount |
|---|------------------|---------------------|-------------------------|----------------|----------|--------|
| 1 | Distinction      | Master's of Science | University of Edinburgh | 2008/10        | 2011/10  | 0      |

**Employment****Academic Work Experience**

|   | Position Title      | Organization                  | Department                          | Faculty / School / Campus               | Start Date |
|---|---------------------|-------------------------------|-------------------------------------|---|------------|
| 1 | Assistant Professor | University of Western Ontario | Anatomy and Cell Biology            | Schulich School of Medicine & Dentistry | 2012/4     |
| 2 | Assistant Professor | University of Western Ontario | Medical Biophysics                  | Schulich School of Medicine & Dentistry | 2012/4     |
| 3 | Assistant Professor | University of Western Ontario | Electrical and Computer Engineering | Engineering                             | 2010/7     |
| 4 | Assistant Professor | University of Western Ontario | UWO Paediatrics                     | Schulich School of Medicine & Dentistry | 2008/7     |
| 5 | Assistant Professor | University of Western Ontario | UWO Clinical Neurological Sciences  | Schulich School of Medicine & Dentistry | 2008/2     |
| 6 | Assistant Professor | University of Western Ontario | UWO Surgery                         | Schulich School of Medicine & Dentistry | 2008/2     |

**Non-academic Work Experience**

|   | Position Title   | Organization                  | Start Date | Other Organization                       | End Date |
|---|------------------|-------------------------------|------------|--|----------|
| 1 | Clinical Staff   | London Health Sciences Centre | 2007/2     |  |          |
| 2 | Chef de clinique |                               | 2007/6     | Centre Hospitalier Universitaire Vaudois | 2007/12  |

**Affiliations**

The primary Affiliations is denoted by (\*)

|    | Position Title                        | Organization                     | Department                                   | Start Date | End Date |
|----|---------------------------------------|----------------------------------|--|------------|----------|
| 1  | Associate Professor                   | University of Western Ontario    | Clinical Neurological Sciences               | 2013/7     |          |
| 2  | Assistant Professor - cross-appointed | University of Western Ontario    | Medical Biophysics                           | 2012/9     |          |
| 3  | Assistant Professor - cross-appointed | University of Western Ontario    | Anatomy and Cell Biology                     | 2012/5     |          |
| 4  | Assistant Professor - cross appointed | University of Western Ontario    | Electrical and Computer Software Engineering | 2010/7     |          |
| 5  | Associate Scientist                   | Lawson Health Research Institute |  | 2008/2     |          |
| *6 | Assistant Professor                   | University of Western Ontario    | Clinical Neurological Sciences               | 2008/2     | 2013/6   |

**Research Funding History**

| 1 | Funding Title <span style="border: 1px solid black; padding: 0 5px;">MITACS</span> Funding Status <span style="border: 1px solid black; padding: 0 5px;">Awarded</span> Funding Role <span style="border: 1px solid black; padding: 0 5px;">Co-investigator</span> Funding Start Date <span style="border: 1px solid black; padding: 0 5px;">2012/8</span> Funding End Date <span style="border: 1px solid black; padding: 0 5px;">2014/7</span><br><b>Other Investigators</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 50%;">Investigator Name</th> <th style="width: 20%;">Role</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Eagleson R</td> <td>Co-investigator</td> </tr> </table> <b>Funding Sources</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 15%;">Other Funding Organization</th> <th style="width: 15%;">Program Name</th> <th style="width: 10%;">Funding Competitive?</th> <th style="width: 10%;">Total Funding</th> <th style="width: 10%;">Currency of Total Funding</th> <th style="width: 10%;">Funding Start Date</th> <th style="width: 10%;">Funding End Date</th> </tr> <tr> <td style="text-align: center;">1</td> <td>MITACS</td> <td>Accelerate</td> <td>Yes</td> <td>120000</td> <td>Canadian dollar</td> <td>2012/8</td> <td>2014/7</td> </tr> </table>                                  |                        | Investigator Name    | Role                      | 1                         | Eagleson R         | Co-investigator        |  | Other Funding Organization | Program Name         | Funding Competitive? | Total Funding             | Currency of Total Funding | Funding Start Date | Funding End Date | 1                             | MITACS               | Accelerate             | Yes             | 120000 | Canadian dollar | 2012/8 | 2014/7 |
|---|--|------------------------|----------------------|---------------------------|---------------------------|--------------------|------------------------|--|----------------------------|----------------------|----------------------|---------------------------|---------------------------|--------------------|------------------|-------------------------------|----------------------|------------------------|-----------------|--------|-----------------|--------|--------|
|   | Investigator Name  | Role                   |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | Eagleson R   | Co-investigator        |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
|   | Other Funding Organization   | Program Name           | Funding Competitive? | Total Funding             | Currency of Total Funding | Funding Start Date | Funding End Date       |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | MITACS   | Accelerate             | Yes                  | 120000                    | Canadian dollar           | 2012/8             | 2014/7                 |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 2 | Funding Title <span style="border: 1px solid black; padding: 0 5px;">AHSC AFP Innovation Fund 2010-11</span> Funding Status <span style="border: 1px solid black; padding: 0 5px;">Awarded</span> Funding Role <span style="border: 1px solid black; padding: 0 5px;">Co-investigator</span> Funding Start Date <span style="border: 1px solid black; padding: 0 5px;">2011/8</span><br>Funding End Date <span style="border: 1px solid black; padding: 0 5px;">2013/7</span><br><b>Other Investigators</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 50%;">Investigator Name</th> <th style="width: 20%;">Role</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Lee D</td> <td>Co-investigator</td> </tr> </table> <b>Funding Sources</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 15%;">Other Funding Organization</th> <th style="width: 10%;">Funding Competitive?</th> <th style="width: 10%;">Total Funding</th> <th style="width: 10%;">Currency of Total Funding</th> <th style="width: 10%;">Funding Start Date</th> <th style="width: 10%;">Funding End Date</th> </tr> <tr> <td style="text-align: center;">1</td> <td>AMOSO</td> <td>Yes</td> <td>297422</td> <td>Canadian dollar</td> <td>2011/8</td> <td>2013/7</td> </tr> </table>   |                        | Investigator Name    | Role                      | 1                         | Lee D              | Co-investigator        |  | Other Funding Organization | Funding Competitive? | Total Funding        | Currency of Total Funding | Funding Start Date        | Funding End Date   | 1                | AMOSO                         | Yes                  | 297422                 | Canadian dollar | 2011/8 | 2013/7          |        |        |
|   | Investigator Name  | Role                   |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | Lee D  | Co-investigator        |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
|   | Other Funding Organization   | Funding Competitive?   | Total Funding        | Currency of Total Funding | Funding Start Date        | Funding End Date   |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | AMOSO  | Yes                    | 297422               | Canadian dollar           | 2011/8                    | 2013/7             |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 3 | Funding Title <span style="border: 1px solid black; padding: 0 5px;">NCE-Grand</span> Funding Status <span style="border: 1px solid black; padding: 0 5px;">Awarded</span> Funding Role <span style="border: 1px solid black; padding: 0 5px;">Principal Applicant</span> Funding Start Date <span style="border: 1px solid black; padding: 0 5px;">2012/5</span><br>Funding End Date <span style="border: 1px solid black; padding: 0 5px;">2013/4</span><br><b>Other Investigators</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 50%;">Investigator Name</th> <th style="width: 20%;">Role</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Booth K</td> <td>Principal Investigator</td> </tr> </table> <b>Funding Sources</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 15%;">Funding Organization</th> <th style="width: 15%;">Program Name</th> <th style="width: 10%;">Funding Competitive?</th> <th style="width: 10%;">Total Funding</th> <th style="width: 10%;">Currency of Total Funding</th> <th style="width: 10%;">Funding Start Date</th> <th style="width: 10%;">Funding End Date</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Government of Canada</td> <td>Health Care Simulation</td> <td>Yes</td> <td>20000</td> <td>Canadian dollar</td> <td>2012/4</td> <td>2013/3</td> </tr> </table> |                        | Investigator Name    | Role                      | 1                         | Booth K            | Principal Investigator |  | Funding Organization       | Program Name         | Funding Competitive? | Total Funding             | Currency of Total Funding | Funding Start Date | Funding End Date | 1                             | Government of Canada | Health Care Simulation | Yes             | 20000  | Canadian dollar | 2012/4 | 2013/3 |
|   | Investigator Name  | Role                   |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | Booth K  | Principal Investigator |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
|   | Funding Organization   | Program Name           | Funding Competitive? | Total Funding             | Currency of Total Funding | Funding Start Date | Funding End Date       |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | Government of Canada   | Health Care Simulation | Yes                  | 20000                     | Canadian dollar           | 2012/4             | 2013/3                 |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 4 | Funding Title <span style="border: 1px solid black; padding: 0 5px;">2011 Instructional Innovation and Development Fund (IIDF) Studentship</span> Funding Status <span style="border: 1px solid black; padding: 0 5px;">Awarded</span> Funding Role <span style="border: 1px solid black; padding: 0 5px;">Co-investigator</span><br>Funding Start Date <span style="border: 1px solid black; padding: 0 5px;">2012/1</span> Funding End Date <span style="border: 1px solid black; padding: 0 5px;">2012/12</span><br><b>Other Investigators</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 50%;">Investigator Name</th> <th style="width: 20%;">Role</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Wilson T</td> <td>Co-investigator</td> </tr> </table> <b>Funding Sources</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 15%;">Funding Organization</th> <th style="width: 10%;">Funding Competitive?</th> <th style="width: 10%;">Total Funding</th> <th style="width: 10%;">Currency of Total Funding</th> <th style="width: 10%;">Funding Start Date</th> <th style="width: 10%;">Funding End Date</th> </tr> <tr> <td style="text-align: center;">1</td> <td>University of Western Ontario</td> <td>Yes</td> <td>4804</td> <td>Canadian dollar</td> <td>2012/1</td> <td>2012/12</td> </tr> </table>               |                        | Investigator Name    | Role                      | 1                         | Wilson T           | Co-investigator        |  | Funding Organization       | Funding Competitive? | Total Funding        | Currency of Total Funding | Funding Start Date        | Funding End Date   | 1                | University of Western Ontario | Yes                  | 4804                   | Canadian dollar | 2012/1 | 2012/12         |        |        |
|   | Investigator Name  | Role                   |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | Wilson T   | Co-investigator        |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
|   | Funding Organization   | Funding Competitive?   | Total Funding        | Currency of Total Funding | Funding Start Date        | Funding End Date   |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | University of Western Ontario  | Yes                    | 4804                 | Canadian dollar           | 2012/1                    | 2012/12            |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 5 | Funding Title <span style="border: 1px solid black; padding: 0 5px;">NCE-Grand</span> Funding Status <span style="border: 1px solid black; padding: 0 5px;">Awarded</span> Funding Role <span style="border: 1px solid black; padding: 0 5px;">Principal Applicant</span> Funding Start Date <span style="border: 1px solid black; padding: 0 5px;">2011/5</span><br>Funding End Date <span style="border: 1px solid black; padding: 0 5px;">2012/4</span><br><b>Other Investigators</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30px;"></th> <th style="width: 50%;">Investigator Name</th> <th style="width: 20%;">Role</th> </tr> <tr> <td style="text-align: center;">1</td> <td>Booth K</td> <td>Principal Investigator</td> </tr> </table>  |                        | Investigator Name    | Role                      | 1                         | Booth K            | Principal Investigator |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
|   | Investigator Name  | Role                   |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |
| 1 | Booth K  | Principal Investigator |                      |                           |                           |                    |                        |  |                            |                      |                      |                           |                           |                    |                  |                               |                      |                        |                 |        |                 |        |        |

| Funding Sources |                      |                        |                      |               |                           |                    |                  |
|-----------------|----------------------|------------------------|----------------------|---------------|---------------------------|--------------------|------------------|
|                 | Funding Organization | Program Name           | Funding Competitive? | Total Funding | Currency of Total Funding | Funding Start Date | Funding End Date |
| 1               | Government of Canada | Health Care Simulation | Yes                  | 15000         | Canadian dollar           | 2011/5             | 2012/4           |

6

Funding Title  Funding Status  Funding Role

Funding Start Date  Funding End Date

**Other Investigators**

|   | Investigator Name | Role            |
|---|-------------------|-----------------|
| 1 | Wilson T          | Co-investigator |

**Funding Sources**

|   | Funding Organization          | Funding Competitive? | Total Funding | Currency of Total Funding | Funding Start Date | Funding End Date |
|---|-------------------------------|----------------------|---------------|---------------------------|--------------------|------------------|
| 1 | University of Western Ontario | Yes                  | 3500          | Canadian dollar           | 2011/1             | 2011/12          |

7

Funding Title  Funding Status  Funding Role

Funding Start Date  Funding End Date

**Other Investigators**

|   | Investigator Name | Role            |
|---|-------------------|-----------------|
| 1 | Wilson T          | Co-investigator |

**Funding Sources**

|   | Funding Organization          | Funding Competitive? | Total Funding | Currency of Total Funding | Funding Start Date | Funding End Date |
|---|-------------------------------|----------------------|---------------|---------------------------|--------------------|------------------|
| 1 | University of Western Ontario | Yes                  | 4804          | Canadian dollar           | 2011/1             | 2011/12          |

8

Funding Title  Funding Status  Funding Role  Funding Start Date

Funding End Date

**Other Investigators**

|   | Investigator Name | Role            |
|---|-------------------|-----------------|
| 1 | Wilson T          | Co-investigator |

**Funding Sources**

|   | Funding Organization          | Funding Competitive? | Total Funding | Currency of Total Funding | Funding Start Date | Funding End Date |
|---|-------------------------------|----------------------|---------------|---------------------------|--------------------|------------------|
| 1 | University of Western Ontario | Yes                  | 5000          | Canadian dollar           | 2010/7             | 2011/6           |

9

Funding Title  Funding Status  Funding Role  Funding Start Date

Funding End Date

**Other Investigators**

|   | Investigator Name | Role         |
|---|-------------------|--------------|
| 1 | Goodale M         | Co-applicant |

**Funding Sources**

|   | Funding Organization          | Funding Competitive? | Total Funding | Currency of Total Funding | Funding Start Date | Funding End Date |
|---|-------------------------------|----------------------|---------------|---------------------------|--------------------|------------------|
| 1 | University of Western Ontario | Yes                  | 7910          | Canadian dollar           | 2010/7             | 2011/7           |

|                        |  |                          |                                 |                      |                                     |                           |                         |
|------------------------|--|--------------------------|---------------------------------|----------------------|-------------------------------------|---------------------------|-------------------------|
| 10                     | Funding Title <b>2008 Instructional Innovation and Development Fund (IIDF)</b> |                          | Funding Status <b>Awarded</b>   |                      | Funding Role <b>Co-investigator</b> |                           |                         |
|                        | Funding Start Date <b>2009/1</b>   |                          | Funding End Date <b>2009/12</b> |                      |                                     |                           |                         |
|                        | <b>Other Investigators</b>   |                          |                                 |                      |                                     |                           |                         |
|                        |  | <b>Investigator Name</b> | <b>Role</b>                     |                      |                                     |                           |                         |
|                        | 1  | Wilson T                 | Co-investigator                 |                      |                                     |                           |                         |
| <b>Funding Sources</b> |  |                          |                                 |                      |                                     |                           |                         |
|                        | <b>Funding Organization</b>  | <b>Program Name</b>      | <b>Funding Competitive?</b>     | <b>Total Funding</b> | <b>Currency of Total Funding</b>    | <b>Funding Start Date</b> | <b>Funding End Date</b> |
| 1                      | University of Western Ontario  | IIDF                     | Yes                             | 4804                 | Canadian dollar                     | 2009/1                    | 2009/12                 |

## Activities

### Supervisory Activities

#### Student/Postdoctoral Supervision

|    | Supervision Role | Student Name                | Student Institution           | Study / Postdoctoral Level | Student Degree Status | Student Degree Start Date | Project Description   | Student Degree Received Date |
|----|------------------|-----------------------------|-------------------------------|----------------------------|-----------------------|---------------------------|---|------------------------------|
| 1  | Co-Supervisor    | Shaun Carnegie              | University of Western Ontario | Master's Thesis            | In Progress           | 2013/5                    | Virtual Reality for surgical training   |                              |
| 2  | Co-Supervisor    | Justin MacKenzie            | University of Western Ontario | Master's Thesis            | In Progress           | 2013/5                    | Surgical training using a game engine   |                              |
| 3  | Co-Supervisor    | Saeed Bakhshmand Mahdizadeh | University of Western Ontario | Master's Thesis            | In Progress           | 2013/1                    |   |                              |
| 4  | Co-Supervisor    | Ngan Nguyen                 | University of Western Ontario | Post-doctorate             | In Progress           | 2012/9                    | Evaluation of surgical simulators   |                              |
| 5  | Academic Advisor | John Baxter                 | University of Western Ontario | Master's Thesis            | In Progress           | 2012/9                    |   |                              |
| 6  | Academic Advisor | Johnathan McLeod            | University of Western Ontario | Master's Thesis            | In Progress           | 2012/9                    |   |                              |
| 7  | Co-Supervisor    | Jing Jin,                   | University of Western Ontario | Master's Thesis            | In Progress           | 2011/9                    | Modeling Brain Volumetric Deformations and Skull Surface contact forces Utilizing Deformable Object and Rigid Body Interactions |                              |
| 8  | Co-Supervisor    | Ryan Armstrong,             | University of Western Ontario | Doctorate                  | In Progress           | 2011/9                    | GPU Accelerated Real-Time Rendering of Elastically Deformable Brain Model for Surgical Simulation                               |                              |
| 9  | Co-Supervisor    | Jessica Kishimoto,          | University of Western Ontario | Doctorate                  | In Progress           | 2011/9                    | 3D US and NIRS in the prognosis of hydrocephalus  |                              |
| 10 | Co-Supervisor    | Haji Faizal                 | University of Toronto         | Doctorate                  | In Progress           | 2011/7                    | Evaluation of a Neuroendoscopic simulator   |                              |
| 11 | Academic Advisor | Kayvanrad Mohammad          | University of Western Ontario | Master's Thesis            | In Progress           | 2011/2                    | Imaging modalities in Epilepsy  |                              |
| 12 | Academic Advisor | Goubran Maged               | University of Western Ontario | Master's Thesis            | In Progress           | 2011/2                    | Coregistration of pathology and MRI in Epilepsy   |                              |
| 13 | Academic Advisor | Abhari Kamyar               | University of Western Ontario | Doctorate                  | In Progress           | 2010/1                    | Human Computer Interface for Neurosurgery   |                              |
| 14 | Co-Supervisor    | Sahar Shahbazi,             | University of Western Ontario | Master's Thesis            | Completed             | 2010/9                    | Registration and skull growth   | 2012/12                      |
| 15 | Co-Supervisor    | Kelly Pedersen,             | Western University            | Master's Thesis            | Completed             | 2011/5                    | 3D model of brainstem nuclei  | 2012/5                       |

## Advisory Activities

## Mentoring Activities

|   | Role                          | Organization                  | Start Date | Activity Description  | Number of Mentorees | End Date |
|---|-------------------------------|-------------------------------|------------|---|---------------------|----------|
| 1 | Mentor                        | University of Western Ontario | 2011/9     | Schulich School of Medicine and Dentistry students' mentor  | 8                   |          |
| 2 | Clinical Supervisor           | London Health Sciences Centre | 2008/7     | Epilepsy Fellows 1/year   | 5                   | 2013/6   |
| 3 | Supervisor for summer student | University of Western Ontario | 2010/6     | Medical students or other undergraduate students interested in some research experience - usually would have 1.5 month to learn a new technique, or do a small project<br><br>1 student in 2008<br>2 students in 2009<br>2 students in 2010<br>2 students in 2011 | 7                   | 2012/9   |

## Community and Volunteer Activities

|   | Role                   | Other Organization  | Start Date |
|---|------------------------|---|------------|
| 1 | Medical Advisor        | Genomics and Health Initiative (GHI) Advisory Committee Meeting for the NRC Program | 2008/8     |
| 2 | Medical Advisory Board | Spina Bifida and Hydrocephalus Association  | 2008/7     |
| 3 | Executive Board Member | European Society of Pediatric Neurosurgery  | 2008/3     |

## Contributions

## Presentations

|   | Presentation Title  | Co-Presenters  | Conference / Event Name   | Location                      | City           | Main Audience  | Presentation Date |
|---|---|--|---|-------------------------------|----------------|----------------|-------------------|
| 1 | Surface and voxel-based analysis of multi-modal quantitative MRI for pre-surgical evaluation of epilepsy patients | Khan AR, Goubran M, de Ribaupierre S, Peters TM                | International Society for Magnetic Resonance in Medicine Annual Meeting | United States / Utah          | Salt Lake City | Researcher     | 2013-04-24        |
| 2 | Establishing the validity of computer-based simulation for diagnostic angiography using the ANGIO Mentor Express  | Nguyen N, Eagleson R, Boulton M, de Ribaupierre S              | American Association of Anatomists                                      | United States / Massachusetts | Boston         | Researcher     | 2013-04-21        |
| 3 | Management of traumatic brain   |  | Talk Trauma - LHSC  | Canada / Ontario              | London         | General Public | 2013-04-10        |
| 4 | A software pipeline for patient-specific virtual simulation of endoscopic third ventriculostomy                   | R Armstrong, S de Ribaupierre, R Eagleson                      | London Health Research Day  | Canada / Ontario              | London         | Researcher     | 2013-03-19        |
| 5 | Evaluating Image-Guided Human Performance for Surgical Tasks  | M Kramers, A Fenster, S de Ribaupierre, R Eagleson             | London Health Research Day  | Canada / Ontario              | London         | Researcher     | 2013-03-19        |
| 6 | Establishing the validity of computer-based simulation for diagnostic angiography using the ANGIO Mentor Express  | N Nguyen, R Eagleson, M Boulton, S de Ribaupierre              | London Health Research Day  | Canada / Ontario              | London         | Researcher     | 2013-03-19        |
| 7 | The Role of 3D US and Near Infrared Spectroscopy to Investigate Post-Hemorrhagic Hydrocephalus in Preterm Infants | J Kishimoto, A Fenster, D Lee, K St Lawrence, S de Ribaupierre | London Health Research Day  | Canada / Ontario              | London         | Researcher     | 2013-03-19        |

|    |  |   |  |                            |             |                |            |
|----|--|---|--|----------------------------|-------------|----------------|------------|
| 8  | Hybrid simulation of Brain-Skull Growth  | J Jin, S de Ribaupierre, R Eagleson   | London Health Research Day   | Canada / Ontario           | London      | Researcher     | 2013-03-19 |
| 9  | Development of a 3D Ultrasound System to Investigate Post-Hemorrhagic Hydrocephalus in Pre-term Neonates               | Kishimoto, J, Lee, D, St. Lawrence, K, Fenster, A, de Ribaupierre, S                  | SPIE Medical Imaging   | United States / Florida    | Orlando     | Researcher     | 2013-02-12 |
| 10 | Web-based Collaborative Interface to Facilitate Case Discussions   | S de Ribaupierre, D Cantor, K Abhari, S Mahdizadeh, T Peters, J Fondop, R Eagleson    | American Society of Pediatric Neurosurgery                             | United States / Hawaii     | Princeville | Knowledge User | 2013-02-12 |
| 11 | Use of an augmented-reality system to improve pre-operative planning of brain tumour resections                        | K Abhari, J Baxter, E Chen, A Khan, C Wedlake, T Peters, R Eagleson, S de Ribaupierre | Imaging Network Ontario  | Canada / Ontario           | Toronto     | Researcher     | 2013-02-05 |
| 12 | Ultrasound Guidance for Endoscopic Third Ventriculostomy   | Jonathan McLeod, Sandrine de Ribaupierre and Terry M. Peters                          | Imaging Network Ontario  | Canada / Ontario           | Toronto     | Researcher     | 2013-02-05 |
| 13 | Surface and voxel-based analysis of multi-modal quantitative MRI for pre-surgical evaluation of epilepsy patients      | A.R. Goubran, M. de Ribaupierre, S., and Peters, T.M                                  | Imaging Network Ontario  | Canada / Ontario           | Toronto     | Researcher     | 2013-02-05 |
| 14 | The role of 3D US and Near Infrared Spectroscopy to Investigate Post-Hemorrhagic Ventriculomegaly in Pre-term Neonates | Kishimoto, J, Lee, D, St. Lawrence, K, Fenster, A, de Ribaupierre, S                  | Imaging Network Ontario  | Canada / Ontario           | Toronto     | Researcher     | 2013-02-05 |
| 15 | Functional MRI, Diffusion tensor imaging, and cognitive variability in young versus older adults: A pilot study        | N Mella, A Abdulkadir, R Eagleson, A Khan, A de Ribaupierre                           | Alpine Brain Imaging Meeting   | Switzerland                | Champery    | Researcher     | 2013-01-08 |
| 16 | Cognitive intraindividual variability and white matter integrity: A study on aging                                     | N Mella, R Eagleson, A Khan, A Abdulkadir, A de Ribaupierre                           | Alpine Brain Imaging Meeting   | Switzerland                | Champery    | Researcher     | 2013-01-08 |
| 17 | Reducing surgical errors in Endoscopic Third Ventriculostomy through Simulation Training: A Canadian Perspective       | Haji F, Dubrowski A, Drake J  | ISPN   | Australia                  | Sydney      | Knowledge User | 2012-09-13 |
| 18 | Web-based Collaborative Interface to Decrease Surgical Error   | Cantor D, Abhari K, Chen E, Peters T, Eagleson R                                      | Annual Meeting of the International Society for Pediatric Neurosurgery | Australia                  | Sydney      | Knowledge User | 2012-09-13 |
| 19 | Alternative methods for hydrocephalus monitoring in IVH infants  | Kishimoto J, Jawa G, St Lawrence K, Fenster A, Lee D.                                 | Annual Meeting of the International Society for Pediatric Neurosurgery | Australia                  | Sydney      | Knowledge User | 2012-09-11 |
| 20 | Using Motion Capture to Manipulate and Edit Meshes   | Istead J, Eagleson R  | SIGGRAPH   | United States / California | Los Angeles | Researcher     | 2012-09-08 |
| 21 | Development of a 3D Ultrasound System to Investigate Post-Hemorrhagic Hydrocephalus in Preterm Neonates.               | Kishimoto J, Lee D, St Lawrence K, Fenster A  | London Imaging Discovery Day   | Canada / Ontario           | London      | Researcher     | 2012-06-27 |
| 22 | Exploration of Multi-Modality Volumetric Medical Datasets through Spatial Interactions                                 | Armstrong R, Eagleson R   | London Imaging Discovery Day   | Canada / Ontario           | London      | Researcher     | 2012-06-27 |
| 23 | Brain skull Growth Simulation using a Hybrid Model   | Jing, J, Eagleson R, Tsou L, Fels S   | London Imaging Discovery Day   | Canada / Ontario           | London      | Researcher     | 2012-06-27 |



|    |   |  |  |                                      |               |                |            |
|----|---|--|--|--------------------------------------|---------------|----------------|------------|
| 24 | Overlapping neural circuits for visuospatial attention and eye movements in human cerebellum            | C Striemer, M Goodale  | Vision Sciences Society 12th Annual Meeting                            | United States / Florida              |               | Researcher     | 2012-05-12 |
| 25 | An Interactive 3D Model of the Cranial Nerve and Brainstem Nuclei for Enhanced Learning of Neuroanatomy | Pedersen K, Wilson T   | American Association of Anatomists                                     | United States / California           | San Diego     | Researcher     | 2012-04-22 |
| 26 | Modeling skull growth in rats   | Shabazi S, Eagleson R, Matic D, Holdsworth D   | Lawson Health Research Day   | Canada / Ontario                     | London        | Researcher     | 2012-03-20 |
| 27 | Perceptual improvement of volume-rendered MR angiography data using a contour enhancement technique     | Abhari K, Baxter JSH, Eagleson R, Peters T   | SPIE Medical Imaging Conference  | United States / California           | San Diego     | Researcher     | 2012-02-07 |
| 28 | DTI challenges  | Eagleson R, Lau J,   | Alpine Brain Imaging Meeting   | Switzerland                          | Champéry      | Researcher     | 2012-01-08 |
| 29 | A virtual simulator for endoscopic third ventriculostomy  | Jiang D, Cabral A, Mora V, Gelinas-Phaneuf N, Haji F, Brower I, Nadeau E, Hovdebo J, Delorme S | Asian-Australasian Congress of Neurological Surgeons                   | Taiwan, Province of China            | Taipei        | Knowledge User | 2011-12-05 |
| 30 | Brain Deformation Model for Neurosurgical Simulation  | Eagleson R, Moschandreou, T  | International Conference on Biomedical Engineering and Biotechnology   | China                                | Shanghai      | Researcher     | 2011-10-29 |
| 31 | The role of spatial abilities in learning neurosurgical procedures                                      | Brewer D, Eagleson R, Wilson T   | Annual Meeting of the International Society for Pediatric Neurosurgery | India                                | Goa           | Knowledge User | 2011-10-16 |
| 32 | Unusual presentation of Chiari malformation in infants  | Tay T, Prasad N  | Annual Meeting of the International Society for Pediatric Neurosurgery | India                                | Goa           | Knowledge User | 2011-10-16 |
| 33 | An Interactive 3D Model of the Cranial Nerve and Brainstem Nuclei for Enhanced Learning of Neuroanatomy | Pedersen K, Wilson T   | Centre for Education Research & Innovation Research Symposium          | Canada / Ontario                     | London        | Researcher     | 2011-10-05 |
| 34 | Virtual Reality Simulator of Endoscopic Third Ventriculostomy: A Needs Assessment Survey                | Haji F, Dubrowski A  | Centre for Education Research & Innovation Research Symposium          | Canada / Ontario                     | London        | Researcher     | 2011-10-05 |
| 35 | What are the differences between pediatric and adult neurosurgery in the real and the virtual worlds?   |  | Presented at the Biannual Meeting of the NRC Advisory Meeting          | Canada / Quebec                      | Boucherville  | Researcher     | 2011-05-27 |
| 36 | Use of a Digital 3D Brain Model as an Intermediate Step in Learning Spatial Anatomy                     | Brewer D, Wilson T   | Experimental Biology Conference  | United States / District of Columbia | Washington    | Researcher     | 2011-04-16 |
| 37 | Use of a Digital 3D Brain Model as an Intermediate Step in Learning Spatial Anatomy                     | D. Brewer, T. Wilson   | Western Undergraduate Research Forum                                   | Canada / Ontario                     | London        | Researcher     | 2011-03-25 |
| 38 | Does stereo-endoscopy improve neurosurgical targeting in third ventriculostomy?                         | Abhari K, Peters T, Eagleson R   | SPIE   | United States / Florida              | Buena Vista   | Researcher     | 2011-02-17 |
| 39 | Does Stereo-Endoscopy Facilitate Third Ventriculostomy?   | Abhari K, Peters T, Eagleson R   | IMS Grad Student Workshop  | Canada / Ontario                     | Toronto       | Researcher     | 2011-02-17 |
| 40 | Medical Education   | Eagleson R, King S,  | Medicine Meets   | United States /                      | Newport Beach | Researcher     | 2011-02-08 |

|    |  |  |   |                            |               |                |            |
|----|--|--|---|----------------------------|---------------|----------------|------------|
|    | and Evaluation through Virtual Worlds: The HLTHSIM Project,  | Stroulia E   | Virtual Reality Meeting   | California                 |               |                |            |
| 41 | Evaluation of a VR and Stereo-Endoscopic Tool to Facilitate 3rd Ventriculostomy  | Abhari K, Peters T, Eagleson R   | Medicine Meets Virtual Reality Meeting  | United States / California | Newport Beach | Researcher     | 2011-02-08 |
| 42 | Methodology for Evaluation of Targeting Performance of a Translucent Membrane using Stereo-Endoscopy                       | Abhari K, Peters T, Eagleson R   | Imaging Network of Ontario  | Canada / Ontario           | Toronto       | Researcher     | 2011-02-01 |
| 43 | Basic neurosurgery training tasks  | N. Choudhury   | International Meeting on Simulation in Healthcare                             | United States / Louisiana  | New Orleans   | Researcher     | 2011-01-25 |
| 44 | Ubiquitous Learning for Neuroanatomy   | R. Eagleson, D. Brewer, T. Wilson  | Ubiquitous Learning: An International Conference 2010                         | Canada / British Columbia  | Vancouver     | Researcher     | 2010-12-12 |
| 45 | Ubiquitous Learning for Healthcare Training using Game Engine Design and Evaluation Methodologies                          | R. Eagleson, C. Schlachta, T. Peters   | Ubiquitous Learning: An International Conference 2010                         | Canada / British Columbia  | Vancouver     | Researcher     | 2010-12-12 |
| 46 | GPU Accelerated Needle Insertion Simulation using Meshfree Methods   | Shahingohar A, Eagleson R  | Workshop on Virtual Reality Interaction and Physical Simulation VRIPHYS       | Denmark                    | Copenhagen    | Researcher     | 2010-11-11 |
| 47 | Development of a New Teaching Tool for Residents: Stereoscopic 3D Model of a Surgical Procedure                            | T Wilson   | Annual Meeting of the International Society for Pediatric Neurosurgery        | Korea, Republic of         | Jeju          | Knowledge User | 2010-11-04 |
| 48 | Surgical Skills Training Simulators and Performance Evaluation   | Eagleson R, Stroulia E, Schlachta C  | 20th CASCON Workshop on New Methods for Clinical Decision Support in Hospital | Canada / Ontario           | Markham       | Researcher     | 2010-11-04 |
| 49 | Streptococcus anginosus subdural empyema secondary to otitis media: case report  | N. Chaudhary, A. Ranger  | Canadian Neurological Science Federation                                      | Canada / Quebec            | Quebec City   | Knowledge User | 2010-06-09 |
| 50 | Preoperative localisation of language areas in epileptic children: comparison between depth electrode stimulation and fMRI |  | 10th Annual Congress of Neurosurgical Society of Vietnam                      | Viet Nam                   |               | Knowledge User | 2009-12-11 |
| 51 | Can we use perfusion CT for the care and prognosis of severe pediatric traumatic brain injury?                             |  | 10th Annual Congress of Neurosurgical Society of Vietnam                      | Viet Nam                   |               | Knowledge User | 2009-12-11 |
| 52 | Presurgical language mapping in epileptic children: fMRI and depth electrode stimulation                                   | M Fohlen, C Bulteau, G Dorfmueller, O Delalande, O Dulac, C Chiron, L Herz-Pannier | Human Brain Mapping   | United States / California | San Francisco | Knowledge User | 2009-06-18 |
| 53 | Neurofibromatosis type 1: Transition between childhood and adulthood   |  | 10th Annual Congress of Neurosurgical Society of Vietnam                      | Viet Nam                   |               | Knowledge User | 2008-12-11 |
| 54 | Neurofibromatosis Type I: Transition Between Childhood And Adulthood   | Vernet O, Vinchon M, Rilliet B   | ANS/CNS Section on Pediatric Neurological Surgery                             | United States / Washington | Spokane       | Knowledge User | 2008-12-04 |
| 55 | Can we use perfusion CT for the care and prognosis of severe pediatric traumatic brain injury?                             | Racine Parret L, Binaghi S, Stucki P, Gudinchet F, Rilliet B, Cotting J            | International Society of Pediatric Neurosurgery                               | South Africa               | Cape Town     | Knowledge User | 2008-10-15 |

## Broadcast Interviews

|   | Topic            | Program                             | First Broadcast Date |
|---|------------------|-------------------------------------|----------------------|
| 1 | Epilepsy Surgery | CTV W5 - Productor: J. Silverstein. | 2009-11-18           |

## Publications

## PubMed Articles

|    | PubMed ID | Title  | Journal  | Volume | Publication Date | Authors  | Issue |
|----|-----------|--|--|--------|------------------|--|-------|
| 1  | 23400178  | An Interactive Program to Conceptualize the Anatomy of the Internal Brainstem in 3D.   | Studies in health technology and informatics   | 184    | 2013-01-01       | Pedersen K , Wilson TD , De Ribaupierre S  |       |
| 2  | 23400179  | Spatial ability and training in virtual neuroanatomy.  | Studies in health technology and informatics   | 184    | 2013-01-01       | Plumley L , Armstrong R , De Ribaupierre S , Eagleson R  |       |
| 3  | 23216468  | Needs assessment for simulation training in neuroendoscopy: a Canadian national survey.  | Journal of neurosurgery  |        | 2012-12-07       | Haji FA , Dubrowski A , Drake J , de Ribaupierre S   |       |
| 4  | 22838737  | Neurosurgical management of frontal lobe epilepsy in children.   | Journal of neurosurgery. Pediatrics  | 10     | 2012-09-01       | Vachhrajani S , de Ribaupierre S , Otsubo H , Ochi A , Weiss SK , Donner EJ , Widjaja E , Kerr E , Smith ML , Drake J , Rutka JT | 3     |
| 5  | 22661147  | Unusual presentation of Chiari I in toddlers: case reports and review of the literature.   | Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery |        | 2012-06-03       | Carew CL , Prasad A , Tay KY , de Ribaupierre S  |       |
| 6  | 22513297  | Construction of a 3-D anatomical model for teaching temporal lobectomy.  | Computers in biology and medicine  | 42     | 2012-06-01       | de Ribaupierre S , Wilson TD   | 6     |
| 7  | 22356963  | Evaluation of neuroanatomical training using a 3D visual reality model.  | Studies in health technology and informatics   | 173    | 2012-01-01       | Brewer DN , Wilson TD , Eagleson R , de Ribaupierre S  |       |
| 8  | 22934161  | Functional magnetic resonance imaging for language mapping in temporal lobe epilepsy.  | Epilepsy research and treatment  | 2012   | 2012-01-01       | Wang A , Peters TM , de Ribaupierre S , Mirsattari SM  |       |
| 9  | 22126260  | Presurgical language mapping in children with epilepsy: clinical usefulness of functional magnetic resonance imaging for the planning of cortical stimulation. | Epilepsia  | 53     | 2012-01-01       | de Ribaupierre S , Fohlen M , Bulteau C , Dorfmueller G , Delalande O , Dulac O , Chiron C , Hertz-Pannier L                     | 1     |
| 10 | 22957246  | Language mapping in temporal lobe epilepsy in children: special considerations.  | Epilepsy research and treatment  | 2012   | 2012-01-01       | de Ribaupierre S , Wang A , Hayman-Abello S  |       |
| 11 | 22032665  | Trauma and impaired consciousness.   | Neurologic clinics   | 29     | 2011-11-01       | de Ribaupierre S   | 4     |
| 12 | 21786296  | Current concepts and management of glioblastoma.   | Annals of neurology  | 70     | 2011-07-01       | Preusser M , de Ribaupierre S , Wöhrer A , Erridge SC , Hegi M , Weller M , Stupp R  | 1     |
| 13 | 21335785  | Medical education through virtual worlds: the HLTHSIM project.   | Studies in health technology and informatics   | 163    | 2011-01-01       | Eagleson R , de Ribaupierre S , King S , Stroulia E  |       |
| 14 | 22777210  | Blister-like supraclinoid internal carotid artery pseudoaneurysm in a 15-year-old male:  | Pediatric neurosurgery   | 47     | 2011-01-01       | Haji FA , Boulton MR , de Ribaupierre S  | 6     |

|    |          |  |  |     |            |   |       |
|----|----------|--|--|-----|------------|---|-------|
|    |          | case report and review of the literature.  |  |     |            |   |       |
| 15 | 21335748 | Evaluation of a VR and stereo-endoscopic tool to facilitate 3rd ventriculostomy.   | Studies in health technology and informatics   | 163 | 2011-01-01 | Abhari K , de Ribaupierre S , Peters T , Eagleson R   |       |
| 16 | 20303131 | [Orbitotemporal facial involvement in type 1 neurofibromatosis (NF1)].   | Neuro-Chirurgie  | 56  | 2010-03-18 | Rilliet B , Pittet B , Montandon D , Narata AP , de Ribaupierre S , Schils F , Boscherini D , Di Rocco C , Ducrey N | 2-3   |
| 17 | 20383970 | [Hemorrhagic strokes in children: etiology and management].  | Revue médicale suisse  | 6   | 2010-02-24 | El Hassani Y , De Ribaupierre S , Sajadi A , Pereira VM , Rilliet B   | 237   |
| 18 | 19243927 | [A 6-week-old infant with failure to thrive: insidious presentation of group B streptococcal ventriculitis].                                   | Archives de pédiatrie : organe officiel de la Société française de pédiatrie                             | 16  | 2009-04-01 | Collet E , Diebold P , Paccaud D , de Ribaupierre S , Rilliet B   | 4     |
| 19 | 19757746 | Intrathecal baclofen and pregnancy: implications for clinical care.  | Canadian journal of neuroscience nursing   | 31  | 2009-01-01 | DeVries-Rizzo M , Warren D , Delaney G , Levin S , Campbell C , DeRibaupierre S                                     | 3     |
| 20 | 18952411 | [Treatment of posterior positional plagiocephaly].   | Archives de pédiatrie : organe officiel de la Société française de pédiatrie                             | 15  | 2008-12-01 | Vernet O , de Ribaupierre S , Cavin B , Rilliet B   | 12    |
| 21 | 18752812 | [Phacomatosis and genetically determined tumors: the transition from childhood to adulthood].  | Neuro-Chirurgie  | 54  | 2008-10-01 | de Ribaupierre S , Vernet O , Vinchon M , Rilliet B   | 5     |
| 22 | 18759615 | Hemispherotomy and other disconnective techniques.   | Neurosurgical focus  | 25  | 2008-09-01 | De Ribaupierre S , Delalande O  | 3     |
| 23 | 18512000 | Cerebellar lesions: is there a lateralisation effect on memory deficits?   | Acta neurochirurgica   | 150 | 2008-06-01 | de Ribaupierre S , Ryser C , Villemure JG , Clarke S  | 6     |
| 24 | 18293114 | A 10-year experience in paediatric spontaneous cerebral hemorrhage: which children with headache need more than a clinical examination?        | Swiss medical weekly   | 138 | 2008-02-09 | de Ribaupierre S , Rilliet B , Cotting J , Regli L  | 5-6   |
| 25 | 17891404 | Frontosphenoidal synostosis: a rare cause of unilateral anterior plagiocephaly.  | Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery | 23  | 2007-12-01 | de Ribaupierre S , Czorny A , Pittet B , Jacques B , Rilliet B  | 12    |
| 26 | 17629800 | Posterior positional plagiocephaly treated with cranial remodeling orthosis.   | Swiss medical weekly   | 137 | 2007-06-30 | de Ribaupierre S , Vernet O , Rilliet B , Cavin B , Kalina D , Leyvraz PF   | 25-26 |
| 27 | 17226034 | Third ventriculostomy vs ventriculoperitoneal shunt in pediatric obstructive hydrocephalus: results from a Swiss series and literature review. | Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery | 23  | 2007-05-01 | de Ribaupierre S , Rilliet B , Vernet O , Regli L , Villemure JG  | 5     |
| 28 | 17786003 | Cervical nerve root synovial sarcoma in a child with chromosomal (X;18) translocation. Case report and review of the literature.               | Pediatric neurosurgery   | 43  | 2007-01-01 | de Ribaupierre S , Vernet O , Beck-Popovic M , Meagher-Villemure K , Rilliet B                                      | 5     |
| 29 | 17228255 | Subependymal giant-  | Neurosurgery   | 60  | 2007-01-01 | de Ribaupierre S ,  | 1     |

|    |          |  |  |    |            |  |    |
|----|----------|--|--|----|------------|--|----|
|    |          | cell astrocytomas in pediatric tuberous sclerosis disease: when should we operate?   |  |    |            | Dorfmueller G , Bulteau C , Fohlen M , Pinard JM , Chiron C , Delalande O  |    |
| 30 | 16757971 | Listeria brain abscess, Pneumocystis pneumonia and Kaposi's sarcoma after temozolomide.  | Nature clinical practice. Oncology   | 3  | 2006-06-01 | Ganière V , Christen G , Bally F , Guillou L , Pica A , de Ribaupierre S , Stupp R   | 6  |
| 31 | 16416152 | Meningeal solitary fibrous tumour in a child.  | Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery | 22 | 2006-06-01 | de Ribaupierre S , Meagher-Villemure K , Agazzi S , Rilliet B  | 6  |
| 32 | 15928964 | The role of posterior fossa decompression in acute cerebellitis.   | Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery | 21 | 2005-11-01 | de Ribaupierre S , Meagher-Villemure K , Villemure JG , Cotting J , Jeannet PY , Porchet F , Roulet E , Bloch J  | 11 |
| 33 | 15039241 | Negative neurofunctional effects of frequency, depth and environment in recreational scuba diving: the Geneva "memory dive" study. | British journal of sports medicine   | 38 | 2004-04-01 | Slosman DO , De Ribaupierre S , Chicherio C , Ludwig C , Montandon ML , Allaoua M , Genton L , Pichard C , Grousset A , Mayer E , Annoni JM , De Ribaupierre A | 2  |
| 34 | 11390549 | (133)Xe SPECT cerebral blood flow study in a healthy population: determination of T-scores.  | Journal of nuclear medicine : official publication, Society of Nuclear Medicine                          | 42 | 2001-06-01 | Slosman DO , Chicherio C , Ludwig C , Genton L , de Ribaupierre S , Hans D , Pichard C , Mayer E , Annoni JM , de Ribaupierre A                                | 6  |

#### Journal Articles

|   | Article Title   | Authors   | Journal                           | Volume | Publishing Status | Date   | Contribution Role |
|---|---|---|-----------------------------------|--------|-------------------|--------|-------------------|
| 1 | Use of a Mixed-Reality System to Improve the Planning of Brain Tumour Resections: Preliminary Results. Augmented Environments for Computer-Assisted Interventions | Kamyar Abhari, John S. H. Baxter, Elvis S. Chen, Ali R. Khan, Chris Wedlake, Terry M. Peters, Sandrine de Ribaupierre, Roy Eagleson | Lecture Notes in Computer Science | 7815   | Published         | 2013/5 | Co-Author         |

#### Book Chapters

|   | Chapter Title  | Book Title  | Authors                               | Publishing Status | Date   | URL   | Contribution Role   |
|---|--|---|---------------------------------------|-------------------|--------|---|---------------------|
| 1 | Choroid Plexus Tumors  | International Society of Pediatric Neurosurgery guide to Neurosurgery | de Ribaupierre S, Rilliet B.          | Published         | 2013/1 | <a href="http://guide.ispneurosurgery.org/">http://guide.ispneurosurgery.org/</a> | First Listed Author |
| 2 | History and Clinical Manifestation of Cerebellar Mutism            | Cerebellar Mutism: From Definition to Treatment                       | de Ribaupierre S                      | Published         | 2012/  |   | First Listed Author |
| 3 | Correction with Repositioning and with Cranial Remodeling Orthosis | Controversies in Pediatric Neurosurgery                               | Vernet O, de Ribaupierre S, Rilliet B | Published         | 2011/  |   | Co-Author           |
| 4 | Head trauma : Surgical management                                  | The Hospital for Sick Children – Manual of Pediatric Trauma           | de Ribaupierre S, Dirks P             | Published         | 2008/  |   | First Listed Author |

#### Clinical Care Guidelines

|   | Title  | Date First Released | Description / Contribution Value   | Contribution Role |
|---|--|---------------------|------------------------------------|-------------------|
| 1 | Guidelines for Traumatic Brain Injury Patients in Intensive Care | 2011-06-01          | Guidelines for LHSC intensive care | First author      |

#### Conference Publications

|    | Conference Publication Type | Publication Title   | Authors  | Conference Name   | Publishing Status | Date    | Contribution Role   |
|----|-----------------------------|---|--|---|-------------------|---------|---------------------|
| 1  | Paper                       | Development and Evaluation of an AR-based Surgical Training Platform.   | Abhari K, Baxter J, Chen E, Wedlake C, Eagleson R, Peters T, de Ribaupierre S  | Oral presentation at the MICCAI Workshop on Augmented Environments and Computer Assisted Interventions, 15th International Medical Image Computing and Computer Assisted Intervention | Accepted          | 2012/10 | Last Author         |
| 2  | Paper                       | Multi-fiber tractography for tumour resection with characterization of peri-tumoral tracts                        | Khan A, Goubran M, Lau J, Eagleson R, Peters T, de Ribaupierre S   | Oral presentation at the DTI-Tracto Workshop, 15th International Medical Image Computing and Computer Assisted Intervention   | Accepted          | 2012/10 | Last Author         |
| 3  | Paper                       | Needs-driven development of a virtual-reality simulation program for endoscopic third ventriculostomy             | Haji F, Jiang D, Cabral A, Mora V, Brouwer I, Nadeau E, Hovdebo J, Delorme S, Laroche D, Dubrowski A, de Ribaupierre S | Congress of Neurological Surgeons   | Accepted          | 2012/10 | Last Author         |
| 4  | Paper                       | Simulation Training for Neuroendoscopy: A Canadian National Needs Assessment Survey                               | Haji F, Dubrowski A, Drake J, de Ribaupierre S   | Congress of Neurological Surgeons   | Accepted          | 2012/10 | Last Author         |
| 5  | Abstract                    | Web-based Collaborative Interface to Decrease Surgical Errors   | de Ribaupierre S, Cantor D, Abhari K, Chen E, Peters T, Eagleson R   | ISPN  | Published         | 2012/9  | First Listed Author |
| 6  | Abstract                    | Reducing surgical errors in Endoscopic Third Ventriculostomy through Simulation Training: A Canadian Perspective. | Haji F, Dubrowski A, Drake J, de Ribaupierre S   | International Society for Pediatric Neurosurgery  | Published         | 2012/9  | Last Author         |
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| 9  | Abstract                    | Robust registration of sparsely sectioned histology to ex-vivo MRI of temporal lobe resection                     | Goubran M, Khan A, Crukley C, Buchanan S, Santyr B, de Ribaupierre S, Peters T   | SPIE Medical Imaging  | Published         | 2012/2  | Co-Author           |
| 10 | Abstract                    | Perceptual Improvement of Volume-Rendered MR Angiography Data using a Contour enhancement Technique               | Abhari K, Baxter J, de Ribaupierre S, Peters T, Eagleson R   | SPIE Medical Imaging  | Published         | 2012/2  | Co-Author           |
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