

## SABC Manitoba 2011

## Intermediate Projects Gr 9 and 10

| Name       | Surname        | School                   | Level | Title  | Mentor Name | Mentor Surname     |
|------------|----------------|--------------------------|-------|--|-------------|--------------------|
| Ella       | Thomson        | Balmoral Hall            | 110   | Genetic Modification of Clustridium thermocellum for Enhanced Biofuel Production   | David       | Levin              |
| Samia      | Nadeem         | Fort Richmond Collegiate | 110   | Identification of Antimicrobial Plant Extracts   | Athar       | Alta               |
| Daisy      | Liu            | Fort Richmond Collegiate | 110   | TBD  | Bill        | Diehl-Jones        |
| Christina  | Huang          | Fort Richmond Collegiate | 110   | Stiffness Index- A way to prevent cardiovascular disease   | Colin       | Hiebert            |
| Deelaka    | Ratnavake      | Fort Richmond Collegiate | 110   | Identification of different Fusarium graminearum chemotypes using PCR  | Dilantha    | Fernando           |
| Malshi     | Karunatilake   | Fort Richmond Collegiate | 110   | TBD  | Don         | Miller             |
| Devin      | White          | Fort Richmond Collegiate | 110   | TBD  | Elizabeth   | Henson             |
| Taihyun    | Lee            | Fort Richmond Collegiate | 110   | TBD  | Elizabeth   | Henson             |
| Akanishha  | Atrav          | Fort Richmond Collegiate | 110   | Isolation of a Toxin from Verticillium Dahliae   | Fouad       | Daayf              |
| Ashley     | Bell           | Fort Richmond Collegiate | 110   | Isolation of a Toxin from Verticillium Dahliae   | Fouad       | Daayf              |
| Michael    | Wu             | Fort Richmond Collegiate | 110   | Analysis of the expression of genes involved in cell migration using public repositories of SAGE and MA gene expression data generated from breast and brain cancer cell lines in humans | Golan       | Sabbir             |
| Devon      | Li             | Fort Richmond Collegiate | 110   | TBD  | J. C.       | Rodriguez-Lecompte |
| Deborah    | Chan           | Fort Richmond Collegiate | 110   | Gene function in the production of polyketides in Xanthoria and Cladonia   | Michelle    | Piercey-Normore    |
| Devin      | De Silva       | Fort Richmond Collegiate | 110   | if a lichen grows with the presence of the enzyme urase  | Michelle    | Piercey-Normore    |
| Malelo     | Ng'andu        | Fort Richmond Collegiate | 110   | if a lichen grows with the presence of the enzyme urase  | Michelle    | Piercey-Normore    |
| Shalini    | Abeysekera     | Fort Richmond Collegiate | 110   | TBD  | Michelle    | Piercey-Normore    |
| Nadith     | Gunasekara     | Fort Richmond Collegiate | 110   | TBD  | Rotimi      | Aluko              |
| David      | Liu            | Fort Richmond Collegiate | 110   | Zap70: An induction agent for B cell lymphocytes to adhelise to Bone Marrow  | Sandrine    | LaFarge            |
| Ailin      | Liao           | Fort Richmond Collegiate | 110   | Quetiapine inhibits A $\beta$ production in AD transgenic mouse model via GSK-3 pathway  | Shenghua    | Zhu                |
| Dinoo      | Gamage         | Fort Richmond Collegiate | 110   | TBD  | TBD         | TBDA               |
| Andrew     | Nashed         | Fort Richmond Collegiate | 110   | The role of IRF-1 in the development of HIV  | Terry       | Ball               |
| Mateo      | Linares        | Fort Richmond Collegiate | 110   | The role of IRF-1 in the development of HIV  | Terry       | Ball               |
| Ailin      | Liao           | Fort Richmond Collegiate | 110   | Quetiapine inhibits A $\beta$ production in AD transgenic mouse model via GSK-3 pathway  | Xirmin      | Li                 |
| Benjamin   | Wang           | Fort Richmond Collegiate | 110   | How an Excessive Amount of Alcohol Affects the Liver and Quality of Life   | Yuswen      | Cong               |
| Nancy      | Li             | Kelvin                   | 110   | Gene function in the production of polyketides in Xanthoria and Cladonia   | Michelle    | Piercey-Normore    |
| Cindy      | Vuonc          | Seven Oaks Met School    | 110   | Soil Bacteria Research   | Philio      | Cheng              |
| Allen      | Liu            | SJR                      | 110   | TBD  | Claudio     | Stasolla           |
| Callie-Rae | Nachtigall     | St Boniface Diocesan     | 110   | TBD  | Leigh       | Murphy             |
| Kaitlyne   | Lorenzana      | St Boniface Diocesan     | 110   | TBD  | Peter       | Eck                |
| Nicole     | Oranu          | St Boniface Diocesan     | 110   | TBD  | Peter       | Eck                |
| Sandy      | Lee            | St Mary's Academy        | 110   | TBD  | Yvonne      | David              |
| Elsa       | Kaka           | Westwood Collegiate      | 110   | TBD  | David       | Levin              |
| Atoosa     | Jalayari       | AA Leach                 | 19    | Which Fatty Acid is Most efficiently used by Our Body and Our Liver?   | Carla       | Taylor             |
| Sharriden  | King-Bulas     | AA Leach                 | 19    | How does hydroelectricity affect the temperature of water?   | Duane       | Bulas              |
| Yujin      | Lee            | AA Leach                 | 19    | Effect of diet on kidney fatty acid compositions in rats with chronic kidney disease   | Harold      | Aukema             |
| Parisa     | Selseleh       | AA Leach                 | 19    | Highest # of Fat Lipids in Hamburgers  | Michael     | Eskin              |
| Dareen     | El-Sayed       | Acadia                   | 19    | Active Antibiotic Ingredients in Rosmarinus Officialis, Origium Vulgare, Cuminum Cyminum, and Capsicum Annum.  | Athar       | Alta               |
| Benjamin   | Liu            | Acadia                   | 19    | The Effect of Maleic Hydraxide on the Cell divisions of Allium Cepa and Vicia Faba Roots   | Claudio     | Stasolla           |
| Dancheng   | Hu             | Acadia                   | 19    | How do different decomposing plants affect other plants' growth  | Don         | Flaten?            |
| Wenbo      | Xin            | Acadia                   | 19    | How do different decomposing plants affect other plants' growth  | Don         | Flaten?            |
| Jiajia     | Geng           | Acadia                   | 19    | Genetics Transformation  | Genyi       | Li                 |
| Shirley    | Yu             | Acadia                   | 19    | Genetics Transformation  | Genyi       | Li                 |
| Sonia      | Wilson         | Acadia                   | 19    | The substitution of hemp seed as an ingredient in farmed shrimp feeds.   | Jim         | House              |
| Matsya     | Thulasiram     | Acadia                   | 19    | Neural pathways associated with the human memory   | Jonathan    | Marotta            |
| Sachin     | Vijayan        | Acadia                   | 19    | Neem The Dream Tree-An organic solution for farm related problems  | Paul        | Fields             |
| Charith    | Karunatilake   | Acadia                   | 19    | Plant Genetics/ Creation of a Hybrid   | Peter       | Eck                |
| Aliaa      | Ellobay        | Acadia                   | 19    | TBD  | TBD         | TBD                |
| Ameera     | Haque          | Acadia                   | 19    | Effects of Natural Antioxidants on Cholesterol   | TBD         | TBD                |
| Anne       | Kachmar        | Acadia                   | 19    | Plant Genetics/ Creation of a Hybrid   | TBD         | TBD                |
| Ashali     | Wanigasekara   | Acadia                   | 19    | Biological control of Fusarium Graminearum using bacteria- An Ecofriendly approach!  | TBD         | TBD                |
| Cara       | Chan           | Acadia                   | 19    | Biodegradable Vegetable Plastic  | TBD         | TBD                |
| Cynthia    | Cheng          | Acadia                   | 19    | TBD  | TBD         | TBD                |
| Dhassni    | Muthumuni      | Acadia                   | 19    | The Effects of Cancer Infected Cells in Different Blood Types  | TBD         | TBD                |
| Elizabeth  | Ng             | Acadia                   | 19    | Alpha-Lipoic Acid and It's Effect on Aging Skin  | TBD         | TBD                |
| Grace      | Zhou           | Acadia                   | 19    | Killing Cancer   | TBD         | TBD                |
| Grace      | Wei            | Acadia                   | 19    | Biodegradable Vegetable Plastic  | TBD         | TBD                |
| Jackson    | Cantin         | Acadia                   | 19    | The Effects of NO and NO2 ("NOx") on Plant and Invertebrate Animal Life  | TBD         | TBD                |
| Nelson     | Mendoza        | Acadia                   | 19    | Food Processing(Food-tech)   | TBD         | TBD                |
| Rivindu    | Nanavakkara    | Acadia                   | 19    | How to grow How to effectively grow and kill bacteria  | TBD         | TBD                |
| Rundi      | Zhang          | Acadia                   | 19    | Killing Cancer   | TBD         | TBD                |
| Tae Hee    | Lee            | Acadia                   | 19    | How's superbacteria affects human?   | TBD         | TBD                |
| Tom        | Qu             | Acadia                   | 19    | How to grow How to effectively grow and kill bacteria  | TBD         | TBD                |
| Xinyang    | Li             | Acadia                   | 19    | TBD  | TBD         | TBD                |
| Matthew    | Levesque       | Grant Park               | 19    | TBD  | Emma        | Frost              |
| Emily      | Kiely-Smith    | Grant Park               | 19    | TBD  | Michael     | Paterson           |
| Samara     | Chernick       | Grant Park               | 19    | TBD  | Michael     | Paterson           |
| Aaron      | Klymasz-Swartz | Grant Park               | 19    | TBD  | Michael     | Paterson           |
| Bilen      | Tewelde        | Shafesbury               | 19    | TBD  | Tim         | Nasim              |
| Jacob      | Booth          | Shafesbury               | 19    | Biofilms/Oral Health   | TBD         | TBD                |
| Miranda    | Stevenson      | Shafesbury               | 19    | TBD  | Tim         | Papakyriakou       |
| Sam        | Hughes         | SJR                      | 19    | Antioxidant potential of novel fibres from field peas (Pisum sativum)  | Martin      | Scanlon            |