**Iris Yang**

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**EDUCATION**

**Del Norte High School** 8/19 - Present

* 4.56 weighted GPA, 4.00 unweighted GPA
* 2022 British Biology Olympiad (BBO) Gold Medalist - top 5%
* 2022 USA Biology Olympiad (USABO) Honorable Mention - top 20%
* 2022 and 2021 US National Chemistry Olympiad (USNCO) National Exam Finalist/Nominee - top 5%
* 2021 Natl Silver Medal, 2021 Regional Gold Key Award Scholastic Art & Writing Awards - Flash Fiction
* 2021 Gold President’s Volunteer Award

**WORK EXPERIENCE**

**Ionis Pharmaceuticals, Inc. -** *Pulmonary Drug Discovery Summer Intern* 6/22-8/22

* Summer Internship Program Awardees with stipend compensation, 10 weeks full time
* Work on Lung Fibrosis studies in animal models and using different laboratory to test endpoints including PCR, ELISA, and cytospins

**Nitto BioPharma Inc (NBPI) -** *Drug Targeting Delivery Platform Intern*  6/21 - 8/21

* 1 of 6 Summer Internship Program Awardees with stipend compensation, 8 weeks full time
* Assisted scientist/mentor on siRNA drug delivery platform on tumor therapy by detecting siRNA drug content in blood sample with ELISA assay and detecting siRNA drug cellular uptake with confocal microscope, full time 6 weeks

**Genovo, Inc**. - *Molecular Biology Intern* 6/20 - 8/20

* Assisted in day-to-day lab operations in molecular diagnostics and next generation sequencing (NGS)
* Gathered and prepared biological samples for diagnostic analysis, conducted tests and experiments, analyzed experimental data and interpreted results, and documented work

**CO-CURRICULAR ACTIVITIES**

**iGEM** (International Genetically Engineered Machine) - *President*  3/20 - Present

* 2020 Gold Award for Preeclampsia project
* 2020 Best Poster and Best Presentation Award; one of the top 5 awards internationally;
  + Researched the epidemiology of preeclampsia using synthetic biology, specifically siRNA to inhibit productions of sFlt-1
  + Outreach through social media to spread awareness of preeclampsia symptoms and treatments
* 2021 Lung Cancer project
  + Develop therapeutic for lung cancer using machine learning through the detection of volatile organic compounds present in breath
* 2022 Oxybenzone project
  + Create system to detect the harmful chemical oxybenzone found in popular sunscreens in ocean - help prevent coral bleaching and skin cancer
  + Spread awareness on contents of sunscreens and the harms of oxybenzone

**Del Norte High School Science Olympiad** - *Competitor*8/19 - Present

* 8th place Forensics 2021 San Diego Regional Competition

**VOLUNTEER EXPERIENCE**

**Girl Up Club** - *Co-founder and Secretary* 5/20 - Present

* Create YouTube videos to help female homeless students learn to navigate computers and the internet
* Answer academic questions from students through online discussion forum
* Collected 500 pounds of food for Thanksgiving food drive
* Hold menstrual product drive helping local women's shelter
* Conduct interviews with local female role models inspiring girls in our community

**Oak Valley Middle School Science Olympiad** - *Student Coach* 9/19 - Present

* Coach middle school students in Crime Busters and Road Scholar with 5 teams placing top 10 at 2020 San Diego Regionals
* Coordinate with teachers and parent volunteers on class and competition schedule and logistics
* Use interactive teaching to engage with students and help them with specific areas they struggle with

**OTHER INTERESTS**

**Figure Skating -** *National Competitor & Gold Medalist*8/10 - Present

* 2018-2022 U.S Synchronized Skating Championships competitor with top 6 national finishes
* 5-time Gold Medalist at Synchronized Skating Pacific Coast Championships
* 2020 U.S. Figure Skating Gold Medalist - Senior Moves In The Field

**Tennis** Del Norte High School Tennis Varsity Team 9/20 - Present

* 2020-2021 Del Norte Nighthawks Tennis Varsity Athletic Award
* 2021-2022 Del Norte Nighthawks Tennis Varsity Scholar Athlete Award

**REFERENCE SECTION**

**Junior Scientist Training Program (JSTP) at Scripps Research** 7/21-8/21

* Have basic training on laboratory techniques on advanced biomedical research;
* Research project separating different types of dyes using gel electrophoresis

**CyberPatriot** (National Youth Cyber Education Program) 7/18 - 2/21

* 2020-21 24th place High School Division, top 1% nationally
* 2019-20 22nd place High School Division, top 1% nationally
* 2020 California Cyber Innovation Challenge 5th place team out of more than 100
* 2018-19 19th place Middle School Division, top 2% nationally

**Education in Action** - *Tutor* 8/20 - 6/21

* Create and execute engaging and effective lesson plans for elementary school children
* Hold online tutoring sessions for two children in math, reading, and writing

**Reading Program** *- Leader* 3/21 - 8/21

* Lead weekly discussions on character-building books for elementary and middle schoolers