

SPRING 2024

BLACK IN ANATOMY

NEWSLETTER



HIGHLIGHTS

This spring, Black in Anatomy members presented their research and met up at Anatomy Connected 2024 in Toronto, Ontario, Canada. We are happy to share updates from our Black in Anatomy members, **exciting new opportunities**, and resources for your reading and teaching list. Looking for a link? Visit our [linktree here!](#)

IMPORTANT DATES

APRIL 30, 2024

Late-breaking abstract deadline, 21st Congress of the IFAA in Gwangju, Korea.

MAY 8, 2024

Priority Deadline for Primal Pictures Internship through Black in Anatomy! (pg. 2).

MAY 13, 2024

Black in Anatomy Writing Group's First Meeting! Fill out the survey for emails.

MAY 25- MAY 29, 2024

Human Anatomy and Physiology Society (HAPS) Annual Conference, St. Louis, MO

OCTOBER 14-19, 2024

Mark your calendars! Join us for **Black in Anatomy Week 2024!**

PRIMAL PICTURES INTERNSHIP THROUGH BLACK IN ANATOMY!



Are you passionate about anatomy education and committed to promoting equity, diversity, and inclusion (ED&I)? **Black in Anatomy** has collaborated with **Primal Pictures** to design an exciting **paid remote internship** opportunity that combines your love for anatomy with meaningful ED&I efforts.

Join the Primal Pictures Internship! Apply early to avoid disappointment. Applications submitted by **May 8, 2024, will have a priority review.**

Purpose: Contribute to the ED&I initiatives within Primal Pictures and Anatomy.tv, working closely with Black in Anatomy to help shape a more inclusive future for anatomy education.

Scope of Role:

- 1. Comprehensive ED&I Action Points:** Collaborate with the anatomy team to expand and prioritize existing ED&I action points.
- 2. Enhanced Disease and Conditions Content:**
 - Evaluate existing Disease and Conditions movies from an ED&I perspective.
 - Rewrite scripts to include accurate and inclusive information.
 - Source diverse clinical images to enhance movie content.
 - Create storyboards and action change to the movies.

We welcome applications from individuals who meet the following **criteria**:

- **Passion for Anatomy:** A genuine interest in human anatomy and its educational applications.
- **Commitment to ED&I:** Demonstrated commitment to fostering equity, diversity, and inclusion.
- **Strong Communication Skills:** Ability to collaborate effectively with cross-functional teams.
- **Attention to Detail:** A keen eye for accuracy and inclusivity in content creation.
- **Enthusiasm for Learning:** Eagerness to contribute and learn within a dynamic environment.
- **Education:** A **bachelor's degree** with a focus in anatomy is required (minimum).

How to Apply: Visit our ED&I pledge page at Anatomy.tv/EDandI and learn more about our commitment to inclusivity. Then, submit your application by **May 8th** via this [Jobvite link](#). Join us in shaping the future of anatomy education!

Internship Details:

Start Date: **June 17, 2024**

Duration: 12 weeks

Compensation: Paid

Location: Remote



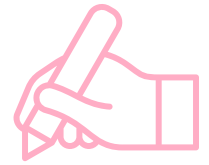
**PRIMAL
PICTURES**
POWERING ANATOMY.TV



[APPLY HERE](#)

WRITING GROUP: MAY 13

INTERESTED IN A BLACK IN ANATOMY BOOK CLUB OR WRITING GROUP?



The first meeting of the Black in Anatomy Writing Group is **May 13!**
Add your name to the writing group and/or book club email list for more info.

[CLICK HERE](#)

OPPORTUNITIES

ERNEST E. JUST CONFERENCE AND AWARDS GALA

United Negro College Fund (UNCF) and the Ernest E. Just Life Science Society hosted the **African Americans in the Life Sciences Summit** on March 14-16, 2024. It brought together several of the Black in X leadership, including Black in Anatomy founder, **Dr. Melissa Carroll**, to network and brainstorm for the Ernest E. Just Conference and Awards Gala in September. More information to come!

2024 BIO-ENTREPRENEURSHIP CAPSTONE

2024 BIO-Entrepreneurship Capstone, an NIH Seed sponsored program is open to students, postgraduate fellows, and early career faculty in the life sciences and is completely free! The program covers Lean Startup fundamentals, customer discovery, intellectual property, and more, taught by certified instructors and product development experts with real-world experience. [Learn more here!](#)

UNITED NEGRO COLLEGE FUND ERNEST E JUST LIFE SCIENCES SOCIETY

Student/Trainee and Professional members, consider the **United Negro College Fund (UNCF) Ernest E Just Life Sciences Society** for networking with other Black and African American students, educators, and industry leaders.

SCICOMM BOOTCAMP 2024

Registration is open for the SciComm Bootcamp 2024! The SciComm bootcamp (SCBC) will take place from June 20-21, 2024, at the American Association for Anatomy (AAA) Headquarters in Rockville, MD. SCBC is a three-day, hands-on professional development workshop in effective science communication strategies. There is a fee for AAA members and non-members. The registration deadline is **June 10, 2024.**



RECENT SOCIAL MEDIA POSTS



In February, Black In Anatomy honored the 2024 Black History month theme of “African Americans and the Arts” by featuring profiles of Black medical and scientific illustrators. See all of the posts on our [Features page](#).

COMMUNITY UPDATES



SMART MBAGWU, PHD

Dr. Smart Mbagwu has been selected as an Assistant Editor for The Anatomical Record. Assistant Editors are Early Career Researchers who are paired with a Senior Associate Editor who mentor them as they move manuscripts through the review process.

RESEARCH UPDATES



TONY ADEBERO, PHD CANDIDATE

Tony Adebero, Black in Anatomy Student/Trainee Member, recently published a paper titled, “Effectiveness of prehabilitation on outcomes following total knee and hip arthroplasty for osteoarthritis: a systematic review and meta-analysis of randomized controlled trials” in Disability and Rehabilitation.



REIVIAN BERRIOS BARILLAS, PHD

Dr. Reivian Berrios Barillas, Black in Anatomy Professional Member, published a manuscript titled, “The effect of pre-body donor quizzes on student performance in a hybrid anatomy course” in Clinical Anatomy.

Dr. Reivian Berrios Barillas was also recently awarded a University of Pittsburgh Momentum Funds Teaming Grant.

ANATOMY CONNECTED 2024



Anatomy Connected 2024, hosted by the American Association for Anatomy was held in Toronto, Ontario, Canada from March 22 - 25, 2024.

The theme of the 2024 meeting was “Visualization in Anatomy” and the guest society was the Association of Medical Illustrators (AMI). Anatomists, cell and developmental biologists, paleoanthropologists, paleontologists, clinicians, and medical illustrators from around the world attended the conference, networked, and presented their research.

1 FRIDAY MARCH 22, 2024

Members gathered before the presentation of plenary speaker, Dr. Kurt Schwenk, and the welcome reception to reconnect.



Drs. Shaun Logan, Melissa Carroll, and Allison Nesbitt.



Drs. Raj Ettarh and Tari Otobo

2 SATURDAY MARCH 23, 2024

Black in Anatomy Creative Director Naomi Robson presented “Beyond the Books: Exploring the Potential of Design, Interactivity, and Learner-centered Thinking in Anatomical Education” with Dr. Shehryar Saharan in the session entitled, “Design Thinking and Visual Communication through the Lens of the Medical Illustrator” that was chaired by Jill Gregory - AMI Past President.



Drs. Sean McWatt, Melissa Carroll, and Allision Nebsitt, the Black in Anatomy Board of Directors, congratulate Naomi Robson after her presentation.

Dr. Rosemary Bassey presented her poster, “Cystic Kidneys with Quadruple Renal Arteries and Two Left Testicular Veins in a Cadaveric Donor: A Case Report.”



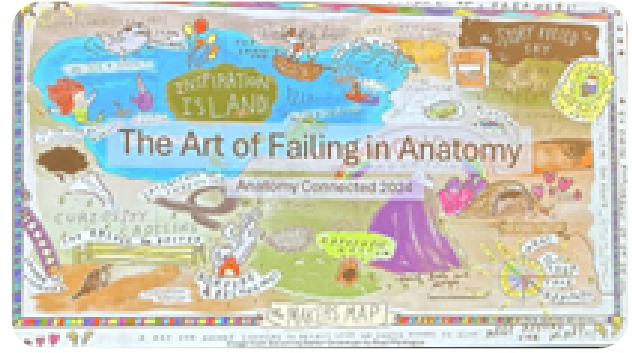
Dr. Tracy Cassagnol, presented one of her posters, “Modification of three dimensionally (3D) printed model of a horseshoe kidney to improve effectiveness of model use in the classroom.”



3 SUNDAY MARCH 24, 2024

In the session, led by Dr. Ellen Robertson, “The Art of Failing in Anatomy,” Professional Member Dr. Erin Marie Williams-Hatala presented her talk, “No Scientist is an Island,” which discussed the trials and successes early in her career.





Drs. Erin Marie Williams-Hatala and Melissa A. Carroll speaking before the talk!



Dr. Kory Evans presented his research about integration and modularity of the fish skull in the session, "Visualizing Craniofacial Development: From Genomic Regulation to Morphology."



In the session, "Seeing the Embryo Differently" theologian, Dr. Craig A. Ford Jr., discussed "A Better Way for Christians to Talk about Life."

CANDIDS OF MEMBERS AT THE MEETING!



Drs. Judithe LaBarge, Madelyn Crowell, and Rosemary Bassey

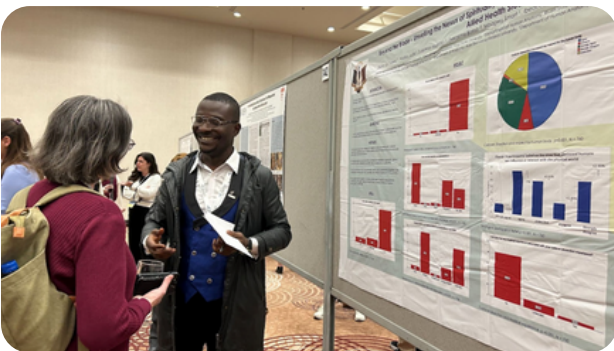


Drs. Smart Mbagwu, Sean McWatt, and Rosemary Bassey

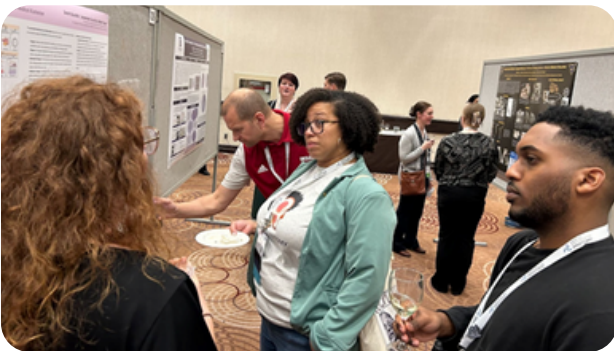
..... SUNDAY POSTER SESSION



Dr. Sean McWatt and Julia Bunko, United Member, chat at Julia's poster, "Visuospatial Ability Does Not Correlate with Academic Performance on a Written Spatial Task."



Dr. Izuchukwu Okafor presents his poster, "Beyond the Blade: Unveiling the Nexus of Spirituality and Cadaver Dissection Among Nigerian Medical and Allied Health Students."



Dr. Melissa Carroll and Andre Williams listen as medical illustrator and United Member Sarah Gluschitz presents her poster, "The Menstrual Cycle: Comparing and Contrasting the Linear and Circular Model Through the Lens of Medical Illustration."



Ashley Walker, Student/Trainee Member, presented her poster, "Can We Predict Your Performance? Exploring Relationships Between Pre-matriculation Data and Gross Anatomy Performance."

..... MEMBER'S MEETING & SOCIAL

A Black in Anatomy Student/Trainee and Professional Member's Meeting was held on the evening of Sunday, March 24, 2024. Thank you to the American Association for Anatomy for the reserved space. Following the meeting, a social event for all members, guests, and supporters was sponsored by [Primal Pictures](#).

Dr. Melissa Carroll welcomed members and encouraged active participation in Black in Anatomy initiatives, asking members to keep us updated on their research, activities, and professional news. If you have updates about yourself or a friend, let us know and email (blackinanatomy@gmail.com) or use our features [form!](#)

We want to continue to amplify the achievements of our Student/Trainee and Professional Members!

[FILL OUT THE FORM HERE](#)



Drs. Jickssa Gemechu and Abiola Omodan chat at the member meeting.



Andre Williams and Dr. Segun Oyedele talk at the member meeting.



Primal Pictures generously sponsored the food and beverages served at the social. Additional thanks to Colby Schultz and the American Association for Anatomy for helping to coordinate with the hotel. Attendees of the Black in Anatomy Member's Meeting and Social posed for a few happy pictures.

**BLACK IN ANATOMY MEMBERS, GUESTS, COLLABORATORS,
AND FRIENDS AT THE SOCIAL.**



Dr. Sean McWatt and Goodnews Oghenetega Ejuone.



Dr. Maria Jose Torres-Palsa, Sophia Liautaud, and Ashley Walker.



Phillipe Charles, Dr. Tracy Cassagnol, Nick Liautaud, and Dr. Maria Jose Torres-Palsa.

4 MONDAY MARCH 25, 2024

Andre Williams presents “Student-level Perspectives on Failing-forward in Education Research: Exploring the Value of Failing in Human Cadaveric Dissection Courses” with Stephen Magliocchetti.



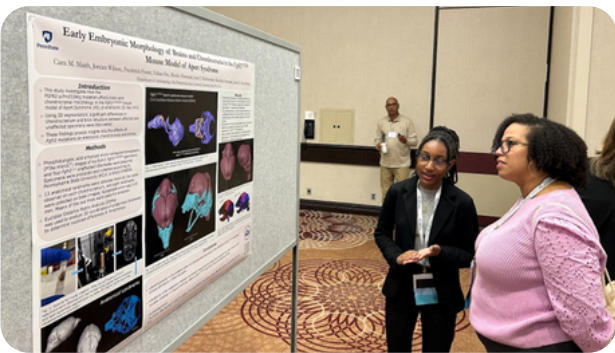
Monday morning, Dr. Smart Mbagwu chaired the Imaging Platform Session.



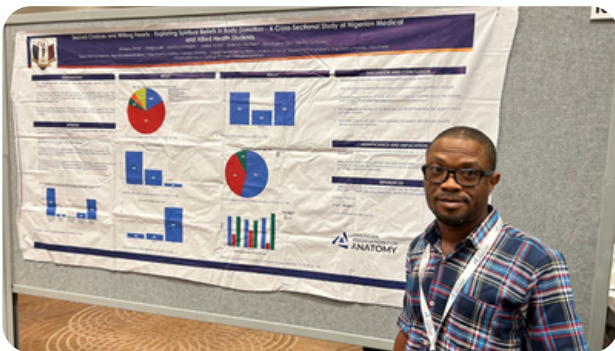


Ashley N. Walker, Student/Trainee Member, discusses her research, "Reigniting the Sparks of Anatomy: Implementing Anatomy Workshops During Clerkship Rotations" during the Education Platform Session #4

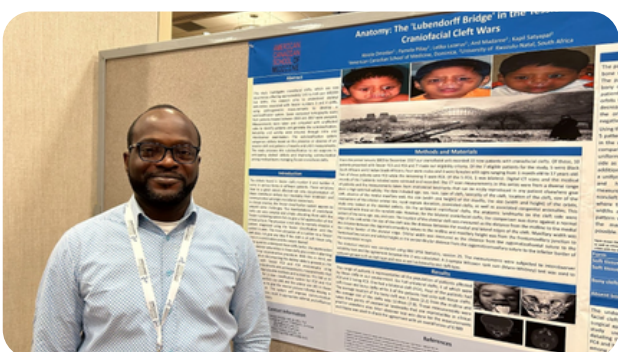
..... MONDAY POSTER SESSION



Undergraduate student, Ciara Maith, presents her poster, "Early embryonic morphology of brains and chondrocrania in the Fgfr2+/P253R mouse model of Apert Syndrome" to Dr. Melissa Carroll.



Dr. Smart Mbagwu, Professional Member, presented his poster, "Sacred Choices and Willing Hearts: Exploring Spiritual Beliefs in Body Donation - A Cross-sectional Study of Nigerian Medical and Allied Health Students."



Dr. Abiola Omodan, Professional Member, presents his poster, "Anatomy: The 'Lubendoff Bridge' in the Tessier Craniofacial Cleft Wars."

CLOSING AWARDS CEREMONY



Drs. Lindsey Koper, Madelyn Crowell, Melissa Carroll, and Allision Nesbitt gather before the Awards Ceremony.

Dr. Izuchukuwu Okafor received an Early Career Faculty Travel Award from the American Association for Anatomy, as did United member Dr. Aidan Ruth.



Drs. Shaun Logan, Melissa Carroll, and Titus Reaves represent the Divine 9 after the award ceremony.

Read about the historical legacy of the Divine Nine [here!](#)

ANATOMY RESOURCES

ILLUSTRATE CHANGE ILLUSTRATIONS

We're excited to share a follow-up from the Winter 2024 Newsletter...

Illustrate Change illustrations from the Association of Medical Illustrator Diversity Fellows have been released with more illustrations coming! Support the mentored, researched, and anatomically correct work of the 10 outstanding fellows, some of whom are Black in Anatomy members!

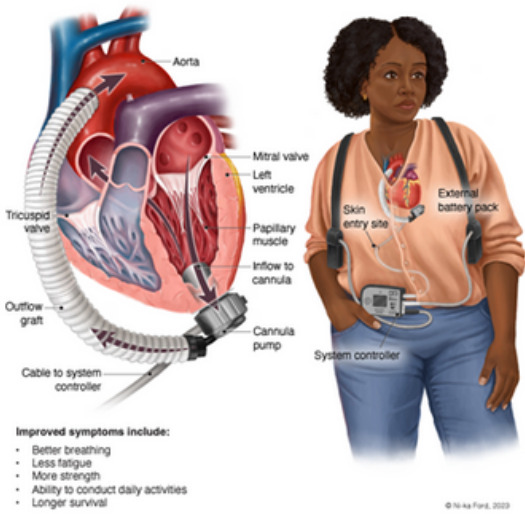
HEART DISEASE MITIGATED BY VENTRICULAR SUPPORT DEVICE



A ventricular support device is a portable device that allows a patient to return home and continue with their normal activities after it has been surgically implanted. This device is designed to assist the heart in pumping

blood, and it can be a life-saving intervention for individuals with severe heart conditions. Once implanted, the patient can carry the device with them and go about their daily life while receiving the necessary support for

their heart function. This enables patients to enjoy a better quality of life and maintain a degree of independence despite their heart condition.



Heart disease mitigated by ventricular support device, illustrated by Ni-ka Ford, Professional Member.

[See full illustration here.](#)

Multiple Myeloma, illustrated by Sarah Glusnitz, United Member.

[See full illustration here.](#)

MULTIPLE MYELOMA



Multiple Myeloma is a rare form of blood cancer. Cancerous plasma cells develop in the bone marrow and no longer produce working proteins, leading to the production of non-functioning antibodies.

Early MM is often without symptoms (smouldering MM), while active MM patients can experience fever, loss of appetite, bone pain, and back pain. Signs of Multiple Myeloma include hypercalcaemia (kidneys), lytic bone lesions (often long bones, spine, ribs, and skull), and anaemia (blood). Treatment can include symptom relief and individualised cancer treatments (chemotherapy, radiation therapy etc.) throughout the entire body.

Additional risk factors can include, but are not limited to being of African descent, older and having a family history of MM.

Survival rates for patients range from 40% to 82%.

Healthy Blood

- ① Abundant red blood cells
- ② Healthy plasma cells
- ③ Healthy antibodies
- ④ Neutrophils

Cancerous Blood

- ① Reduced red blood cells
- ② Cancerous plasma cells
- ③ Non-functioning antibodies
- ④ Neutrophils

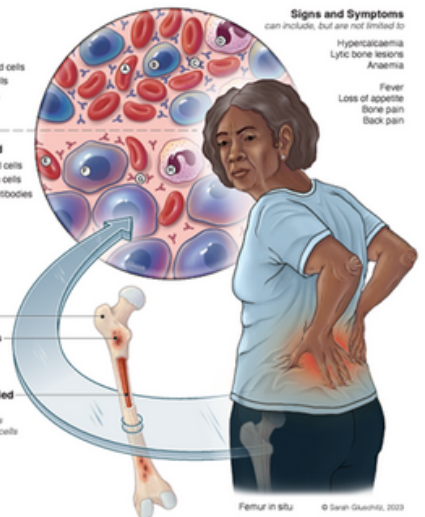
Femur

Lytic bone lesions

Multiple well-defined, 'punched out' holes in the bone

Medullary cavity filled with bone marrow

Production of blood cells incl. cancerous plasma cells



TORONTO VIDEO ATLAS OF SURGERY

Toronto Video Atlas of Surgery, with 3D animation enhanced surgical videos, lectures and conference presentations, learning modules and patient education from "Crafting Clarity: How to Tell Complex Surgical Stories by Joy Qu and Lesia Szyca." [Check out the resource here!](#)

AVID PROJECT

Anatomy Video and Imagery Diversity Project (AVID) led by Heather Jamniczky, Dave Andrews, Sarah Anderson, and Lian Willetts. [Find the resource here!](#)



BEYOND THE BOOKS

Design, Interactivity, and Learner-centered Thinking in Anatomical Education from “Beyond the Books: Exploring the Potential of Design, Interactivity, and Learner-centered Thinking in Anatomical Education” by Dr. Shehryar Saharan and Naomi Robson. [Learn more here!](#)

INCLUSIVE DESIGN FOR COLOR VISION DEFICIENCY

Accessibility Guide - Inclusive Design for Color Vision Deficiency by Dr. Alexander S.R. Macnow from the presentation “Addressing Color Vision Deficiency in Anatomy and Pathology Education: Development of an Institutional Accessibility Manual.” [Find it here!](#)

FRAME LIBRARY

Faces Refining the Art of Medical Education (FRAME) Library of inclusive images from Positive Exposure. [Check it out here!](#)

READING LIST

1

“Follow the citations: Tracing pathways of “race as biology” assumptions in medical algorithms in eGFR and spirometry” by Agustín Fuentes, Ulises J. Espinoza, and Virginia Cobbs published in the April issue of Social Science and Medicine.

2

“American Association for Anatomy recommendations for the management of legacy anatomical collections” by Jon Cornwall and colleagues was published in The Anatomical Record.



BLACK IN ANAT MERCH

Black in Anatomy Merchandise is still available on our [WEBSITE!](#) Show your support and help us grow by purchasing a travel mug or t-shirt. Black in Anatomy Merchandise is for every *body* that supports our mission.



WELCOME TO NEW MEMBERS!

Thank you for joining us on our mission to create a safe place to network, uplift, support, and amplify the Black contributions to anatomical science!

STUDENT/TRAINEE MEMBERS

- Tony Adebero
- Alexandria Anding
- Olaseni Victoria Ayomidamope
- Symone Brown
- Krystal-Flora Dureke
- Dora Ozioma Ekechukwu
- Mara Fields
- Elvis Tams Godam
- James Onah Ikpa
- Jude Nnaka
- Oloya Johnson Nyeko
- Irene Chizubelu Omile
- Rachelle Saint-Fort
- Zana R. Sims
- Amarriah Valentine
- Ashley Walker
- Senjobi Abimbola Heritage

PROFESSIONAL MEMBERS

- Jemima Chukwu
- Madelyn Crowell
- Ni-ka Ford
- Jickssa M Gemechu
- Victeka Howell
- Nicole Jackson
- Smart I. Mbagwu
- Cristy Tower-Gilchrist
- Shaimaa Ramadan Abdelmohsen Amin
- Margaret McFarland
- Raechel McKinley
- Adejoke Elizabeth Memudu
- Abiola Omodan
- Titus A. Reaves



UNITED MEMBERS

- Janine Ziermann-Canabarro
- Ali Camero
- Sarah Glusnitz
- Lindsey Koper
- Stephanie Lathe
- Chiara Mazzasette
- Edgar Meyer
- Ahdeah Pajoohesh-Ganji
- Nathier Rhoda
- Terry Ritzman
- Naomi Robson
- KJ Uyeno
- Cat Wang

MEMBERS IN ANONYMITY

There are many other wonderful individuals who chose to remain anonymous who we also wish to acknowledge.

Welcome to all of our many unlisted/anonymous members!

NEW MEMBERSHIP FORM

- Are you a student or professional in anatomy or an anatomy-related field?
- Do you have a passion for anatomy?
- Are you interested in volunteering with Black in Anatomy?

Apply to become a member of Black in Anatomy, Inc.!

[APPLY HERE](#)

DONATIONS

Black in Anatomy, Inc. is a 501(c)(3) nonprofit organization whose continued growth and future success are largely dependent on donations.

Donations can be made on our [website](#).



Operational
Costs



Resources +
Community Support



Future Plans



HAVE UPDATES?

KNOW SOMEONE TO NOMINATE?

[Visit our Linktree!](#)