### Accomplishments in Genomic Medicine

The NHGRI Genomic Medicine Working Group (GMWG) is committed to advancing the field of genomics research and enhancing healthcare outcomes through genomic medicine. Below are some notable accomplishments contributed by the GMWG.

### 2022

**July 07, 2022**
- **Title:** Randomized Clinical Trial Selection and Remission of Symptoms in Major Depressive Disorder: The PRIME Care Study
  - **First Author:** Abraham Ellingford JM
  - **Category:** First Author:
  - **Description:** This study evaluated a randomized clinical trial for the selection and remission of symptoms in major depressive disorder, focusing on a personalized medicine approach.

**July 12, 2022**
- **Title:** Advancing precision medicine for ocular disorders: Diagnostic genomics to characterize disease
  - **First Author:** Tafazzoli A
  - **Category:** First Author:
  - **Description:** This project aimed to advance precision medicine for ocular disorders through diagnostic genomics, focusing on characterizing disease mechanisms and improving treatment outcomes.

**July 13, 2022**
- **Title:** Prevalence of inherited and common diseases in diverse patient cohorts
  - **First Author:** Lemke AA
  - **Category:** First Author:
  - **Description:** This study assessed the prevalence of inherited and common diseases in diverse patient cohorts, highlighting the importance of inclusive research.

**July 25, 2022**
- **Title:** Blood Test to Complement Current Single Cancer Screening in the USA
  - **First Author:** Callahan KP
  - **Category:** First Author:
  - **Description:** This project developed a blood test to complement current single cancer screening methods, aiming to enhance detection and early intervention.

**August 01, 2022**
- **Title:** Survival and long-term outcomes of survivors of childhood cancer
  - **First Author:** Wu DW
  - **Category:** First Author:
  - **Description:** This study investigated survival and long-term outcomes of survivors of childhood cancer, emphasizing the importance of ongoing monitoring and support.

**August 04, 2022**
- **Title:** Using biomarkers to predict disease progression in cancer patients
  - **First Author:** Bennett RL
  - **Category:** First Author:
  - **Description:** This project utilized biomarkers to predict disease progression in cancer patients, informing personalized treatment strategies.

**August 09, 2022**
- **Title:** Developmental disorders in infants
  - **First Author:** Lau-Min KS
  - **Category:** First Author:
  - **Description:** This study explored the incidence and characteristics of developmental disorders in infants, highlighting early interventions.

**August 12, 2022**
- **Title:** Implementing genomic medicine in a general-risk population: An evidence-based clinical guideline of the American College of Medical Genetics and Genomics (ACMG)
  - **First Author:** Hoskovec J
  - **Category:** First Author:
  - **Description:** This project developed an evidence-based clinical guideline for implementing genomic medicine in a general-risk population, aimed at improving patient care.

**September 01, 2022**
- **Title:** Maternal carrier screening with single-gene NIPS provides accurate fetal risk assessment
  - **First Author:** McKnight D
  - **Category:** First Author:
  - **Description:** This study demonstrated the accuracy of maternal carrier screening with single-gene non-invasive prenatal screening (NIPS) for fetal risk assessment.

**September 15, 2022**
- **Title:** Improving genomics research through community engagement
  - **First Author:** Bennett RL
  - **Category:** First Author:
  - **Description:** This project focused on enhancing genomics research through community engagement, fostering inclusive and collaborative initiatives.

### 2023

**January 04, 2023**
- **Title:** Systematic Implementation of DNA-Based Population Screening: Using the RE-AIM Framework
  - **First Author:** Tafazzoli A
  - **Category:** First Author:
  - **Description:** This study addressed the systematic implementation of DNA-based population screening, utilizing the RE-AIM framework to evaluate implementation outcomes.

**February 3, 2023**
- **Title:** Digital health-enabled genomics: Opportunities and challenges
  - **First Author:** Bennett RL
  - **Category:** First Author:
  - **Description:** This project explored the opportunities and challenges of digital health-enabled genomics, highlighting the need for integrative approaches.

**November 07, 2022**
- **Title:** Recommendations for clinical interpretation of variants found in non-coding regions of the genome
  - **First Author:** Lemke AA
  - **Category:** First Author:
  - **Description:** This study provided recommendations for clinical interpretation of variants found in non-coding regions of the genome, addressing the complexity of variant classification.

**November 19, 2022**
- **Title:** Introduction of Pharmacogenetic Associations and CPIC Clinical Guidelines
  - **First Author:** Hoskovec J
  - **Category:** First Author:
  - **Description:** This project introduced pharmacogenetic associations and CPIC clinical guidelines, aiming to enhance patient-specific treatment strategies.

**November 23, 2022**
- **Title:** Impact and application of sex and gender nomenclature update centered on sex and gender inclusivity: A practice resource of the Medical Genetics and Genomics (ACMG)
  - **First Author:** McKnight D
  - **Category:** First Author:
  - **Description:** This study addressed the impact and application of a sex and gender nomenclature update, emphasizing the importance of inclusive terminology.

### Search Title or Author

To submit notable accomplishments for consideration to the Accomplishments in Genomic Medicine year in review, please submit your research publications and relevant materials to the Genomic Medicine Working Group (GMWG) at GMWG@nih.gov.