



Pioneers of Science Day Enlightens and Inspires At Alfaisal University

Eman N. Chaudhri, Fifth Year, COM

“Science is not meant to cure us of mystery, but to reinvent or reinvigorate it.” - Robert Sapolsky

The Pioneers of Science Day, an extraordinary event hosted by Alfaisal University, brought together the King Faisal Prize Laureates of Science and Medicine to present their groundbreaking research and lectures to our esteemed student body in the Colleges of Science and Medicine, as well as the Alfaisal University leadership and administration.

The King Faisal Prize (KFP), established in 1977, was granted for the first time in 1979. This prize recognizes the outstanding works of individuals and institutions in five categories: Service to Islam, Islamic Studies, Arabic Language and Literature, Medicine, and Science. Its aim is to benefit Muslims in their present or future, inspire them to participate in all aspects of civilization, and enrich human knowledge and development.

On March 19, 2023, Alfaisal University had the privilege of hosting the KFP Laureates of Medicine and Science in the Princess Haya Auditorium. The day commenced with a warm welcome by the Master of Ceremonies, Eman Chaudhri, who emphasized the importance of recognizing and nurturing scientific talent on behalf of the Alfaisal University administration and the King Faisal Foundation. Following the opening address, attendees were treated to a series of enlightening and thought-provoking lectures by the laureates, each of whom shared their experiences and research findings in their respective fields.

The esteemed Professor Chad Alexander Mirkin delivered the first lecture of the day, entitled “Exploring and expanding the ‘Matterverse’ with nanomaterial mega libraries and AI.” Prof. Mirkin, the Rathmann Professor of Chemistry at Northwestern University and Director of the International Institute for Nanotechnology, was awarded the KFP for his outstanding contributions to nanoparticle research, including introducing the concept of nanoparticles as atoms and applying DNA as bonds in the design of functional crystalline macroscopic materials. This research enriches the repertoire of chemistry and material tools and therefore defines the modern age of nanotechnology. Prof. Mirkin's work enables fellow colleagues and scientists to rapidly design, synthesize, screen, and identify new nanoarchitecture with almost any desired chemical, which can in turn be used in drug design and discovery for life-improving medical treatments.



Professor Chad Alexander Mirkin. Image taken by Alfaisal Marketing Communications.



Professor Jackie Yi-Ru Ying. Image taken by Alfaisal Marketing Communications

After Prof. Mirkin's informative and inspiring lecture, Professor Jackie Yi-Ru Ying delivered a lecture entitled “Design and Synthesis of Nanomaterials for Biomedical and energy applications.” Prof. Ying, an Adjunct Professor of Chemical Engineering at the Massachusetts Institute of Technology and Director and Senior Fellow of A*STAR at NanoBio Lab, was awarded the KFP for her work on the synthesis of various advanced nanomaterials and systems, as well as their applications in catalysis, energy conversion, and biomedicine. Prof. Ying's work lies at the intersection of nanotechnology and technical medicine and has culminated in the establishment of six successful start-ups and spin-off companies.

After the KFP Science Laureates were presented with a token of the Alfaisal leadership's appreciation, the KFP Medical Laureates delivered lectures centered around pandemic vaccine development. In the context of the COVID-19 pandemic, the laureates discussed the science and experiences behind the development of the SARS-CoV-2 vaccines.

The first medical laureate, Professor Dame Sarah Gilbert, presented a lecture entitled “Preparing for Pandemic Vaccine Development.” The Saïd Chair of Vaccinology and Head of Outbreak Pathogen Vaccines Group in the Pandemic Sciences Institute at the University of Oxford, UK, Prof. Dame Gilbert received the KFP for her contributions to the development of innovative vaccine technologies and their applications to malaria, Ebola, influenza, MERS, and most recently SARS-CoV2. Prof. Dame Gilbert has been instrumental in the development of the AstraZeneca COVID-19 vaccine provided to around 2 billion people worldwide. Prof. Dame Gilbert's work has led to the creation of accessible vaccinations and vaccine equity worldwide.

In building on Prof. Dame Gilbert's remarks, the second KFP Medicine Laureate, Professor Dan Hung Barouch, presented his lecture entitled “Developing Vaccines for Global Pandemics.” As the William Bosworth Castle Professor of Medicine at Harvard University and the Director of the Centre for Virology and Vaccine Research at Beth Israel Deaconess Medical Centre at MIT and Harvard University, Prof. Barouch was presented with the KFP in medicine for his major contribution to our understanding of the immunology and pathogenesis of viral infections. Prof. Barouch has developed novel vaccine and treatment strategies against multiple pathogens of global significance, including HIV-1, Zika virus, tuberculosis, and most recently SARS-CoV-2.

Students from the Colleges of Science and Medicine at Alfaisal followed up enthusiastically with questions for our laureates, drawing on personal experiences and applications to real-life experiments and situations. This event offered students a unique opportunity to learn from the laureates' experiences in developing groundbreaking ideas that are shaping modern medicine and STEM fields. The experience has inspired our young scientists to reach new heights of innovation and discovery.

Circular Economy

Abdullah Tahir, Fourth Year, COE

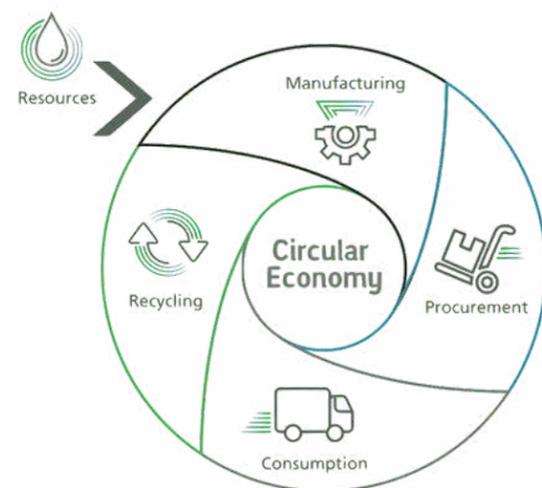
The biggest revolution of sustainability in the 21st century won't be the movement away from fossil fuels but the newly theorized economic movement around the circular economy. The idea of the circular economy essentially takes the earlier idea of reducing, reusing, and recycling and scales it to an economic model. The premise behind this idea is the creation of a largely self-contained economy where the industrial outputs of one end of the cycle are reused as the inputs at the other end. A great example in our daily lives has been the recycling of discarded plastic which is then reused for other purposes or even more prominent, the reuse of paper materials. Such an economic transition would reduce environmental impact and provide new green jobs in addition to reducing waste.

The current model of production we operate in is ultimately based on disposal. A product is designed from resources available, bought, consumed, and then disposed of. This is highly wasteful as the end of the product usually ends up in a landfill. Landfill acts as a resource sink and while recycling has begun to reduce the size of landfills, recycling is still ultimately an afterthought. A circular mode of production and consumption would mean that instead of discarding the product, it could, for example in the case of plastics or electronic components, be brought back to the retailer to be recycled and reused. This is called "closing the loop" and enables more efficient use of materials. Those discarded plastic bottles could end up becoming children's toys or perhaps a lunchbox or some other useful material. This shift could be applied to most if not all industries.

The benefits of such a system would be apparent on a global scale. The primary advantage would be the increased sustainability of the model. Sustainability is not, as many skeptics believe, a return to primitivism, but the managed use of earth's resources in a way that allows natural systems to better develop themselves resource-wise to ensure a continuous flow of said materials.



Many countries worldwide are beginning to push for a shift toward circularity in their industries:



Via Aramco Life

The Impact of Industry 4.0 on Supply Chains

Anoud Alshaikh, Fourth Year, COB



Via Plus Group

From the invention of the steam engine to the rise of artificial intelligence, technology has come a long way in the last few centuries. Today, we stand on the brink of the fourth industrial revolution (Industry 4.0), which promises to transform the way supply chains operate.

Industry 4.0 is set to introduce new technologies that will automate and optimize many processes involved in the supply chain. These technologies include the Internet of Things (IoT), big data analytics, artificial intelligence (AI), blockchain, automation and robotics, machine learning, and cloud computing.

By leveraging these technologies, supply chain managers will be able to gain greater visibility into their operations, improve efficiency, reduce costs, and enhance the overall customer experience. These enhancements will make companies fast-moving, more agile, faultless, and methodical. When implemented, advanced machine learning algorithms can aid in more precisely predicting demand for a specific item through an analysis of the data (from social network trends and sensors). Importantly, machine learning algorithms help firms compute both the upside potential as well as downside risks involved in the supply chain and plan accordingly. In fact, the use of predictive analytics methods has narrowed the number of forecasting errors by almost 50%. It is evident that more precise predictions can help companies ameliorate their inventories, which results in cost reduction.

A fully unified, digital supply chain management software allows information to move seamlessly among suppliers, manufacturers, and customers, thus advancing collaboration to the next level. It ensures significant trust and support and joint planning solutions.

An interconnected platform also minimizes lead time by establishing better communication, as suppliers can dispense warnings early on, increasing a company's response to risks. As a result of Industry 4.0, digitization can profoundly improve warehouse management capacities, mainly in regard to supply chain inventory and transportation logistics.

For instance, the implemented sensors can identify and track goods in real time and accurately foresee how long it will take for a shipment to arrive. Such real-time tracking guarantees the timely collection and delivery of goods. Furthermore, RFID (Radio Frequency Identification) technology has the capability to determine the specific identity and location of a product, including its position within a truck. The accuracy of this information enables managers to issue location-specific instructions, which can help save time and increase efficiency.

Moreover, with the help of tracking devices, firms can avoid last-minute surprises such as insufficient inventory, which can have a negative impact on their operations. Significantly, fully automated robots are revolutionizing the world of supply chains, providing firms with unprecedented levels of efficiency and precision.

Robotic technologies are helping firms streamline their operations to achieve new heights of productivity by automating various tasks within a warehouse such as assisting employees with physically demanding tasks. Specifically, such tasks include lifting heavy boxes, packing items, and performing other operational duties. Equally important, companies are utilizing supply chain clouds to achieve greater agility in their operations.

Cloud computing technology has made it simpler for supply chain managers to remotely obtain information. This is achieved by storing data centrally in one location without the need for dedicated hardware resources, which allows data to be managed more effectively than before.

Unlike traditional infrastructures, cloud services offer a backup system that prevents downtime from causing expensive repairs and lost productivity. In retrospect, it is clear that Industry 4.0 is not just a buzzword but a game-changer for the supply chain industry.

The integration of advanced technologies such as automated robots, cloud computing, radio frequency identifications and machine learning algorithms has transformed the way we manage and optimize supply chains. These innovations have not only increased efficiency and reduced costs but have also enhanced transparency, agility, and customer satisfaction.

The benefits of Industry 4.0 on supply chains are clear and tangible. But perhaps the most important lesson we can draw from this revolution is the power of adaptation and innovation. The supply chain landscape is constantly evolving, and firms who can stay ahead of the curve and embrace the opportunities are the ones who will thrive. By working together and leveraging the power of technology, we can build a more sustainable, equitable, and prosperous future for all.

By embracing Industry 4.0 and staying agile in the face of change, we can build a world that is more connected and sustainable than ever before – and ensure that the supply chains of tomorrow are equipped to meet the challenges of the future.

Saudi Youth Ambassadors Group

Jood Fallatah, Second Year, COM

Patience and persistence are invaluable pillars for driving success. According to Abdulaziz Bin Taleb, Saudi Youth Ambassadors Group's chief executive officer, that was the key behind the formation of the organization and its ability to break into the Saudi job market. It all started with identifying a lack of opportunities for young Saudis to gain career experience.

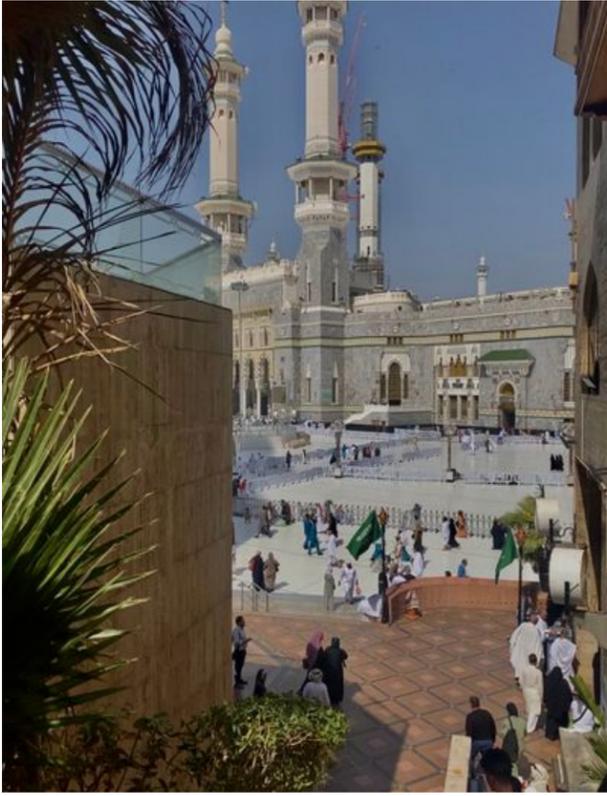
With today's rapid economic growth, we are witnessing youth strive proactively to gain experience and pave the way for their chosen career path. When Abdulaziz and a group of his colleagues were faced with the same dilemma, they formed a group and started approaching companies to seek out internship and volunteer opportunities for students. When the group found success in securing opportunities and connecting with professionals, their vision expanded, and that's how the Saudi Youth Ambassadors Group (SYAG) began.

The organization now collaborates with Sabic, Misk, and many more in hopes of increasing knowledge, connection, and experience in order to drive positive change in the future of the Saudi youth. SYAG has now grown to include more than three thousand members from different parts of Saudi, leading with the belief that the earlier the impact starts, the greater the impact will be.



Via SYAG

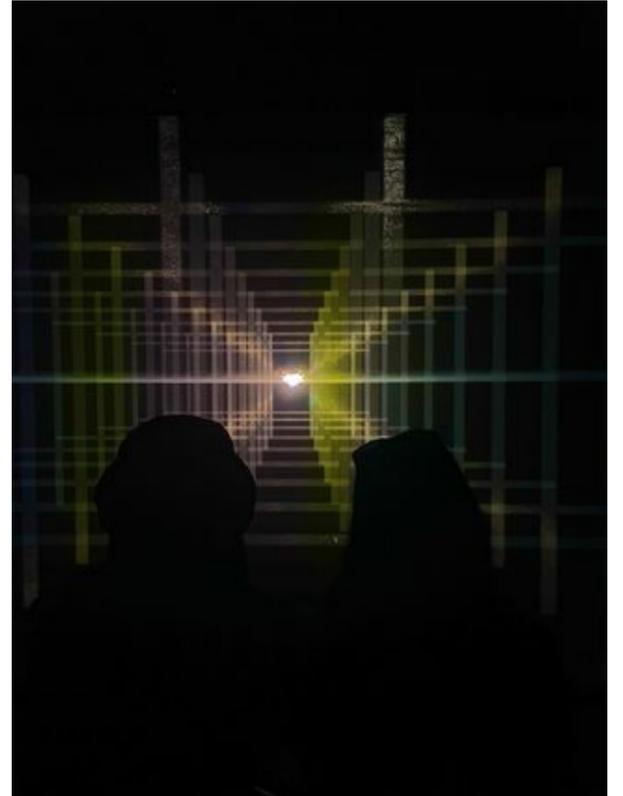
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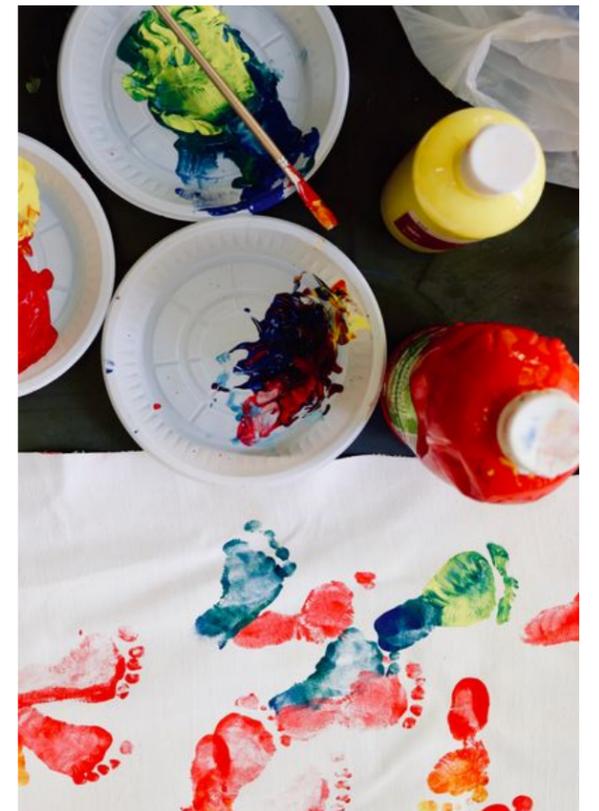
Faisal Alrugaib, COB



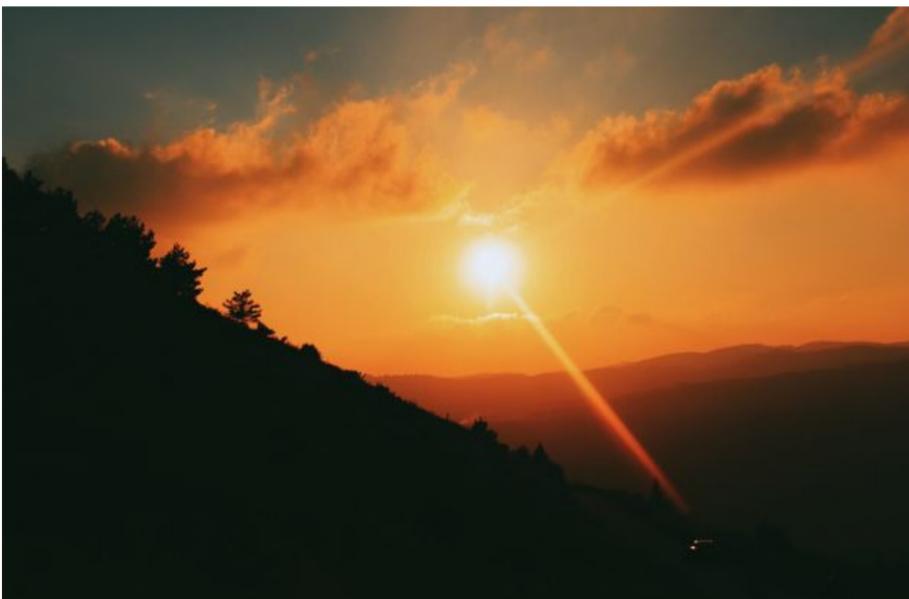
Sarah Idris, COM



Mais Najmeddin, COM



Ghazal Tannous, COM



Ghazal Tannous, COM



Ghazal Tannous, COM

Alfaisal's Favorites, Dunkin's Very Own King & Gilbert

Jude AlKawashki, Second Year, COS

Lina AlMohammadi, Fourth Year, COM

King and Gilbert are some of Alfaisal University's most beloved and interesting characters.

Every day we are greeted by King and Gilbert's welcoming smiles and unique energies. Our mornings are made a little bit better and brighter with their coffee accompanied by their warm contagious smiles that leave students beaming with joy.

However, who are King and Gilbert really? And what are their perspectives of Alfaisal University and Dunkin' itself? We conducted this interview to get a glimpse of who Alfaisal's favorite duo really are.

King and Gilbert are both from the Philippines: King is from the exotic island of Mindanao, while Gilbert is from the urbanized city of Marikina.

"What brought you guys to Saudi?" was one of the first questions asked. Upon hearing this question, both King and Gilbert laughed and responded, "an airplane" as they both agreed that their main purpose of migrating to Saudi was job prospects and careers.

Ever since joining Alfaisal University, I've always associated King and Gilbert with Dunkin' Donuts, so that raised the question "Why Dunkin'?"

King replied, "Following my arrival to Saudi to start my professional journey, I've always wanted to work for an international brand. Dunkin' Donuts is extremely popular in the Philippines and is one of the world's most renowned international brands and companies, so when I got the call to be a part of the Dunkin' family I couldn't say no. It was like my dream and purpose were being fulfilled and I felt the need to seize the opportunity and grab it while I can."

Although Gilbert gave a less poetic answer, Gilbert previously mentioned that like King his sole purpose was to find a job. As soon as he got the phone call to work at Dunkin', Gilbert did not hesitate because he knew that finding a decent job with a well-known and reputable international brand was an opportunity he couldn't miss.



Gilbert (left) and King (right). Image taken by Ghazal Tannous.



King (left) and Gilbert (right). Image taken by Ghazal Tannous.

A phone call with the intention of receiving an income has led King and Gilbert to Alfaisal's very own Dunkin' Donuts. As an Alfaisal University student, I was curious to know what working at Alfaisal is like for both King and Gilbert, and to learn more about their perspective on the campus environment.

"What do you think of Alfaisal University?" I asked eagerly. King and Gilbert responded in agreement by saying, "Alfaisal University is amazing and indescribable. It has a unique environment with the most interesting and friendliest people. We are both very attached to Alfaisal and are thankful to be a part of its community."

It is no doubt that King and Gilbert are extremely loved by all students of Alfaisal. King and Gilbert have been at Alfaisal for over two years now, meaning that during their stay they have created many memories with the students, which brought up the question,

"Can you tell us one of your favorite memories at Alfaisal with the students?"

Gilbert: "On November 29th, the year 2019, the students of Alfaisal surprised me for my birthday. Till this day it was one of the best memories I had because it made me feel loved and blessed." And for anyone who is asking, Gilbert claims that his real age is 20.

King: "I can't just narrow it down to one memory; however, when I started gaining friends here, that's when I started to enjoy Alfaisal."

Concluding message from King and Gilbert:

King: "I could see that the students feel pressured with their studies. Stay strong, be faithful and don't let anything stop you. All the students are very studious and hardworking and I can see that they have a lot of potentials and can achieve a lot."

Gilbert: "Live long and prosper."

Model United Nations: An Introduction to the World of Diplomacy

Seba Assery, Second Year, COE

Model United Nations (MUN) is a simulation of the United Nations in which students act as delegates from different countries to discuss and debate issues of global significance. At MUN conferences, participants gain firsthand experience of the workings of international diplomacy as they represent their countries in committees and negotiate to reach a consensus on complex issues. MUN provides a platform for students to develop their public speaking, negotiation, research, and critical thinking skills, while also fostering their awareness of global issues and cultural differences.

Participation in MUN is not limited to students who aspire to pursue careers in politics or international relations. Rather, MUN is open to students from all majors and interests as it provides a unique opportunity to develop skills that are highly valued in various professions, such as law, business, journalism, and education. MUN also enables students to expand their horizons and gain a better understanding of the world beyond their immediate surroundings by exposing them to diverse perspectives and cultures. Through MUN, students learn to appreciate the complexity of global issues and the need for cooperation and dialogue to address them effectively.

And 2023 commenced with Alfaisal University's Model United Nations Society's MUN conference, themed "Nobis Futurum" in Latin, signifying "The future is for us." The conference comprised five committees that engaged in critical discussions on topics vital to our survival in the years ahead.

AUMUN 2023 was presided over by the Society's Secretary-General, Sulaf Alfares, and Deputy Secretaries-General, Raffi Almutawa and Mohammed Almishal, along with their dedicated and assiduous Undersecretary Generals, Leena Alzayer, Khalid Suwailem, Syed Idris Shah, and Alfa Press's own Sarah Alhatlani.



Mohammed Almishal, Sulaf Alfares, and Raffi Almutawa. Image taken by Seba Assery.

The conference spanned over two days, from January 27 to 28, and commenced with an opening ceremony in which Dr Lamia Alomair, the Head of AI and Bioinformatics at KAIMRC, delivered the keynote address. Subsequently, the delegates arrived at their respective committees, namely the Security Council, US Senate, General Assembly, DISEC, and the Crisis Committee, and participated in their debates on topics ranging from world hunger to the weaponization of artificial intelligence. While the initial hours were relatively calm, as is typical of most MUN conferences, the debates intensified progressively, leading to heated discussions and productive lobbying. Ultimately, the conference concluded fruitfully, with deserving winners receiving their pertinent awards. However, the true essence of an MUN conference lies in the fact that every participant leaves as a winner, having enriched their knowledge and perspective.

Model United Nations is an enriching and rewarding experience for students of all backgrounds and interests. Through MUN, students gain a deeper understanding of global issues, develop their skills in diplomacy and negotiation, and expand their horizons beyond their immediate surroundings. MUN is a testament to the power of education to foster global citizenship and to equip the next generation of leaders with the tools and mindset needed to tackle the challenges of the 21st century. Alfa Press thanks the AUMUN secretariat for welcoming us with open arms and allowing us to cover their event. We cannot wait to attend future conferences, and we urge anyone with an interest in politics to attend.



Keep Up With AUMUN
Updates!

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@alfaisalmun

Rayyanah

Joodi Tarabulsi, Second Year, COE

From Hedy Lamarr, the famous film actress who created Wi-Fi, to Marie Curie, the first woman to win a Nobel Prize for saving the lives of millions with her radiation discoveries, we shall shed further light on women's accomplishments, especially with the rise of a new upcoming star, Rayyanah Barnawi, the first-ever Saudi woman to ride her way into space.

We are more than proud to praise Rayyanah's achievement already as is, but even more proud to share this story with our Alfaisal family, for she's a part of our family as well. She graduated with a Master's Degree in Biomedical Sciences and Cancer Stem Cells here at our beloved university after studying for her Bachelor of Biomedical Sciences at the University of Otago, New Zealand.

Rayyanah's journey will be set to begin on Friday, May 12th, 2023 - alongside fellow national Saudi astronaut Ali Al-Qarni, two other American astronauts (Peggy Whitson and John Shoffner) and the crew of the Axiom Mission 2 (AX-2) - for a 10-to-16 day mission to space, sending them to the International Space Station (ISS).



Rayyanah Barnawi, via the SSC

"The Axiom Mission 2 (Ax-2) astronauts are part of the latest class of space pioneers and Axiom Space's next crew to expand access to the International Space Station (ISS) and low-Earth orbit ... crew will conduct extensive research, investigate novel technologies ... Their efforts will continue to lay the groundwork and establish the key capabilities needed to build out and operate Axiom Station, the world's first commercial space station" (Axiom Space, 2023).

Rayyanah has spent 10 years working as a technician in the King Faisal Specialist Hospital and Research Center, specializing in research on breast cancer. She was selected by the Kingdom to partake in this once-in-a-lifetime experience and to be a part of this drastic movement of women doing a man's job in Saudi Arabia.

"My dreams have become a reality and my happiness is great," Rayyanah states. "I feel the pride and gratitude for my beloved country for achieving my biggest dreams and representing my country in this great national mission."

As a woman and as a Saudi, I have never been more proud of the accomplishments we have achieved today. May Allah bless them and protect them from any difficulties and may Allah return them back to us to safety in sha'a Allah.

One small step for (wo)man, one giant leap for (wo)mankind.



Members of Axiom Space's Ax-2 mission to the International Space Station, from left to right: Commander Peggy Whitson, Pilot John Shoffner, and Mission Specialists Ali Alqarni and Rayyanah Barnawi. (Image credit: Axiom Space)

The 2022 Fifa World Cup

Mazen Hamze, Second Year, COE

The 2022 FIFA World Cup, the 22nd edition of the event, featured competition among 32 men's national teams of FIFA's member countries. It was the second World Cup staged fully in Asia after the 2002 competition in South Korea and Japan, and it was held in Qatar from November 20, 2022 to December 18, 2022. It was the first World Cup to be held in the Arab and Muslim worlds.

Firstly, the competition saw many individual achievements. Leo Messi collected the Golden Ball and the Silver Boot, while Mbappe recorded the highest World Cup scoring total by a single player since Ronaldo Nazário's 2002 performance. Also, Yassin Bounou became the first and only African goalkeeper to have three clean sheets to his name in a single World Cup. Lastly, the Brazilian number 10, Neymar Jr., has become the joint-record scorer, equaling Pelé.

Moreover, this World Cup was full of magical moments as Morocco helped make history for Africa by getting 4th place and Argentina made a historic return to the top of world football, featuring the greatest of all time, Lionel Messi, as the star.



Fans celebrating Morocco's win, taken by Mazen Hamze.



Argentina via AP News

Starting with the underdogs' historic run, it took 88 years for an African side to make it to the World Cup semifinals. The continent's innovators were from Morocco. After defeating Belgium in the group stage, Spain in the round of 16, and Cristiano Ronaldo's Portugal in the quarterfinals, they were taken out by Yassine Bounou, Achraf Hakimi, Hakim Ziyech, and co. The Atlas Lions also gave France a tough time against France in the semifinals before falling to Croatia 2-1 in a bronze-medal match.

Furthermore, La Albiceleste of Argentina had a stunning transformation, going from being the target of jokes to a legitimate champion. As no one could have predicted their opening match loss to Saudi Arabia, few could have expected their incredible and dramatic return to realize their long-held aim. Messi has earned the right to be loved outside of Argentina's boundaries after winning the World Cup. The tiny magician from Rosario enchanted and won over fans of various nations to his squad, helping his nation win its first World Cup after a historic final against France since Diego Maradona's triumph in 1986.

After that World Cup victory, most football fans now claim that Messi has "completed football."



FIFA WORLD CUP
Qatar 2022

Via FIFA

CREATIVE COLUMN

Nothing

Mohammed Sherif, Third Year, COM

Enter a scene of cobble and granite. Dank sulfur constitutes the nasal decorum of this earthen burrow - a defect within the earth, lined with cracked, colossal sediments. The cracks themselves seem to absorb the faint daylight, that on early, quiescent mornings descends through a fault in the aforementioned lining. The superior fault's the sole communication between this space and above; below where the air is purest, a cleansing waft of a nostalgic green. Across, light loses its influence, rejected by this burrow's entombed nature; a fact that garners little reaction, for the heathen that lays affixed to the ground is simply content with his position, by virtue of the fact that light graces this spot more often than the rest.

However, as the days pass by, the light falters bit by bit. The heathen would normally pay no heed as he had lodged himself here for an undetermined span, and the variations within this illumination were well known, but the crevice on the ceiling dispensed a new element: a clear, erroneous liquid that falls off the crevice and onto the heathen's scalp in drops, at an amount of no more than one drop every three seconds. Each drop trickled to the front of his head, maneuvering between the cracks on his cheeks, diverging at the misfolded tellings of age, only to reconverge once more at his blunt chin, then falls as a drop once more unto the ground.

Each drop a provocation, an assault on spiritual candor. The effect starts long before it defiles the heathen's head, and ends far after it hits the ground. Like screws drilling onto his mind, the drops do not cease. A week or so passes, and the offense remains at large. The texture, the viscosity, the detestable dark tar; oh how hideous! How embarrassing, to be at the mercy of such a miniscule force. How absolutely pathetic.

Oh, but the heathen would not take this offense lightly, he was to seek out the source, and eliminate it. He began at once, to claw at the ceiling, scraping as much of the sediment around as he can, in an effort to create a cavity that could procure him proper vision of the source. Relentless, his fingers bruise with each swing, and his nails splinter with every impact. His teeth clench to mitigate the damage. After a few hours of an impressive physical process, he develops a space large enough. He places his hands on the other side, and quickly lunges himself through.

But there was nothing. He was now on top of his own little burrow, surrounded by nothing but expanses of greenery. His heart shrivels and hides, its beating no longer felt. He did not bother looking for the source he anticipated. The heathen fell to his knees, charcoal gems at the center of his eyes dilate to take it in. But what's to take in, it's all just green. And worst of all, light shone everywhere in equal measure. His light was not superior over others. In fact, his mere habitus seemed to absorb the noble phenomenon. He crosses his right hand to his left chest, attempting to clutch his heart. But it is not there. Nothing is there. He is on top of nothing.

After all, he could've just moved.

Intervention

Meerab Waqar, Second Year, COS

When God intervenes.
He gives simple signs in unsound situations.

Situations where our minds
become a chaotic mess
and our hearts utterly blindsided.

Situations where we refuse to admit
the blatant discourse of reality

Situations where we choose
rose-tinted fantasies over acknowledgement

The truth is
When God intervenes,
He saves you from yourself

Lead By The Sky

Rushdan Firdous, Second Year, COM

Our skies are suspended higher,
Tethered by twines, covert,
To bodies of stone and fire.

Each one is in sight for a day's division,
Not in cutthroat rivalry,
But divine composition.

A lesson to be mirrored in the realm beneath
Where men vie at the neck of their brother,
Struggling to climb the rungs of deceit.

But to endure together,
In a world broken, unworthy
Is accepting the other,
Achieving coexistence; an eccentric journey.

Graduation

Lara Samhan, Fifth Year, COM

Mini tiny pace to be stepped by myself
 Spending my 1st day in the kindergarten
 With bye bye gestures from my parents
 Sitting alone with not being known to anyone in school

Seconds, minutes, hours, days, years, and decades to pass
 With myself graduating from high school
 And a welcoming gesture to be introduced to my parents
 In my high school graduation party to be available

A new vague journey to be started
 With myself wandering around itself
 In an unsolved puzzle to be trapped
 With no exit sign to be escaping
 Obstacles, sleepless nights, endless acid refluxes
 And yet being trapped in the same exact mysterious puzzle
 That can't be solved by anyone except myself
 With being more knowledgeable
 And massive education to be acquired
 With the endless days to at least start passing
 And countdown to be starting
 With university's graduation ceremony to be approaching

And a dream to be achieved
 A miraculous dream to be seen
 With getting the graduation gown to be ready
 Throwing it on myself and feeling the warm cuddle from it
 That is felt by nothing except itself
 Walking while having the graduation gown on myself
 That feels like a walk through the sea without sinking
 Flying in the air without having wings
 Reaching space without a rocket

With the power of knowledge in my brain cells that
 indirectly holds me all around the universe
 Without being sunk...
 Without having wings...
 And reaching the space without a rocket...
 A walk that is hoped to never end!
 With the graduation gown to be worn on my awaited dream
 day
 And my beloved to be full of ecstasy
 Myself, my knowledge, and my successes to be shared
 peacefully for the sake of helping our world
 To be in a better future, tomorrow universe...

A Note to the Graduates: On a Journey Finished and a Journey Started

Dr. Emily Wilson, Head of the English Department

One day you finally knew
 what you had to do, and began,
 though the voices around you
 kept shouting
 though the whole house
 began to tremble
 and you felt the old tug
 at your ankles.
 But you didn't stop.
 You knew what you had to do,
 though the wind pried
 with its stiff fingers
 at the very foundations,
 though their melancholy
 was terrible.
 It was already late
 enough, and a wild night,
 and the road full of fallen
 branches and stones.
 But little by little,
 as you left their voice behind,
 the stars began to burn
 through the sheets of clouds,
 and there was a new voice
 which you slowly
 recognized as your own,
 that kept you company
 as you strode deeper and deeper
 into the world,
 determined to do
 the only thing you could do --
 determined to save
 the only life that you could save.

Mary Oliver
 "The Journey"

Dear Graduating Class of 2023,

I remember some of you on your first day of class at Alfaisal University. Do you remember yourselves then, on that brightly-burning first day of college, with your new clothes and tote bags and fresh pens? You spoke softly and you made yourselves smaller and you were wide-eyed with the wonder of this new experience.

Look at you now. Confident voices. Minds full of new knowledge and skills and experiences. Unafraid to take up space. More aware of who you are in this big, beautiful, brutal world.

Mary Oliver describes in her poem "The Journey" the frightening experience of leaving behind the familiar, stepping out into a wild night, walking on a road full of fallen branches and stones. This is the path on which you are about to embark. Once again, you leave the comfortable and familiar in favor of the unknown. But it is only when we step outside our comfort zones that we can grow. It is only when we leave the well-known house that we begin to see the stars burn and to hear a new voice that we slowly recognize as our own.

I'm excited for your new journeys, wherever they might lead you. And I'm confident that you have what you need to succeed along the way. After all, you have made such a journey before, and I believe you will do so again. Congratulations on finishing your journey here at Alfaisal, and God give you strength for the road that lies ahead.

— another assignment left undone

Omais Sultan, Second year, COM

the drawing in the middle on the top, a blend of grey shades, a half-drawn eye with all its intricacies and details poured in, was done by a cancer patient last week.

correction: all of them done by children with cancer. children below 10 years of age or younger. children incapable of understanding how 3*4 would be 12. children too naive to think about problems bigger than not having a full color set of Faber Castell's; or not having their parents splurge on the biggest teddy bear they saw at ToysRUs. the same children, also finding themselves dealing with a terminal illness.

i don't believe grown up adults in their 20s would find that easy, let alone a child that's just embarked on their journey in this world. who's barely taken their first steps. barely learnt how to hold that paintbrush and pour out their creativity on that piece of canvas. barely learnt how to ride their new 4-wheeled bicycles, all hyped up to make the jump to 2 wheels. except, would they be able to make it to 2?

Layan - the young pre-teen who drew the face on this post - left it half drawn one ordinary night last week, only to leave this temporary abode the next morning. leaving her painting as it was, to never be completed. leaving that paintbrush by her canvas, only to never pick it up again. this is what the Lord had decided, and this is how it was supposed to happen for reasons they we occasionally fail to comprehend. to Him do we belong & to Him do we return, indeed.



Image taken by Omais Sultan

so yes - live your life to the most. stop focusing on the negatives & focus on what matters. focus on those little things in life that make it worthwhile. because you truly do not know what comes ahead of you. what "statistic" you could become part of that you've always just seen as a simple myriad of figures from afar. what piece you'd leave for tonight, only for it to be

another assignment left undone —

Remembering Dr Peter Kvietys

Dr Hanaa Hajeer, COM

When I first joined Alfaisal, I would envy our colleague Seba. She was Peter's post-doc. I thought how lucky she must be to have such a great mentor. A renowned scientist with such lengthy experience!

Later, I got to closely interact with Peter when he called me into his office and told me that he thought he was not suitable to be a mentor for the students. "What do I do with a mentee ... tell him to get some glue and stick it on the chair, sit down and study! I am old-style person." I laughed and walked away! I knew we had a lot to learn from him, but we had to use some patience.

Indeed, it was not long before Peter became my mentor. I would become the student who was glued out of fascination to the chair in his office and learnt from him. Over the past eight years, I got to learn from Peter more than from any other person! From teaching skills to presentation skills to publication skills, to scientific thinking, to time management, I could go on forever.

Outside academia, I went to Peter for comfort and advice when things were getting tough for me. Contrary to what it might seem, Peter had inside him a warm, caring, and empathetic heart. His heart has stopped, but his suffering has also ended: no more chemo, no more pain, no more work seven days a week, no more students to mentor, no more walking under the hot sun of Riyadh, no more difficult Arabic names to remember!

Rest in peace, Peter.

Your legacy will remain with us and in the minds of your countless students!

ADHD vs ADD by Maria Bokeno, M.Ed, LPCC-S

Two-thirty in the afternoon, and our Mental Health Community clinic was packed with clients. But in the midst of individual sessions, court referrals, hospital referrals, my secretary hands me a note stating, "Call the school principal right now". So, I called the principal, who answered the phone right away saying, "Mrs Bokeno I am sending you a 12-year-old student who has destroyed, disrupted, and annoyed teachers and students in the classroom."

At 3:30 p.m., a frustrated mother came into the center with a 12-year-old stating, "The school principal called at work and asked me to bring my son to your clinic. I really don't know what's going on but please fix him....".

After I discussed with the 12-year-old mother about her son's behavioral issues at home and read all the notes that the guidance counsellor of the school sent me, I sat down with the 12-year-old, who asked me "Am I in trouble?".

I said, "Why do you think that?"

His answer: "Because I annoy people, can't sit still, I get angry easily, and my teachers and my mom call me lazy, I guess not smart enough...".

After 3 sessions and age-appropriate testing (ADHD testing, depression anxiety testing), a psychiatric evaluation, and a visit to his pediatrician his diagnosis was ADHD.

What is ADHD versus ADD

Attention-deficit/hyperactivity disorder (ADHD) is a chronic condition that affects millions of children and often continues into adulthood. ADHD includes a combination of persistent problems, such as difficulty sustaining attention, hyperactivity, and impulsive behavior. (**Mayo Clinic**)

Symptoms:

- Interrupting conversations
- Unable to sit still, especially in a quiet environment
- Excessive physical movement
- No sense of danger
- Unable to focus, concentrate on tasks
- Excessive talking
- Interrupting conversations
- Anger outbursts
- Constantly fidgeting
- Disorganization
- Problems with time management
- Frequent mood swings
- Always on the go as if driven by a motor



Via Pexels



Maria Bokeno

What is ADD (attention deficit disorder)

According to **Child Mind Institute**, "There is no difference between ADD and ADHD. ADD (attention-deficit disorder) is an outdated term for what is now called ADHD (attention-deficit hyperactivity disorder). Some kids with ADHD have hyperactive behaviors and some don't, but the diagnosis is ADHD either way. The bottom line is that the diagnosis of ADHD can still apply even if a child doesn't have hyperactive or impulsive behaviors."

Causes of ADHD

According to the **American Psychiatric Association**, "ADHD is the most common psychiatric disorder being diagnosed in children. ADHD is considered a chronic and debilitating disorder and is known to impact the individual in many aspects of their life including academic and professional achievements, interpersonal relationships, and daily functioning (Harpin, 2005)". There is growing evidence that ADHD may be linked to genetics, but no specific gene has been identified as the cause of the disorder. Several non-genetic factors have also been linked to the disorder such as low birth weight, premature birth, exposure to toxins (alcohol, smoking, lead, etc.) during pregnancy, and extreme stress during pregnancy." During my clinical practice I have seen children's parents or relatives being diagnosed with ADHD at a young age.

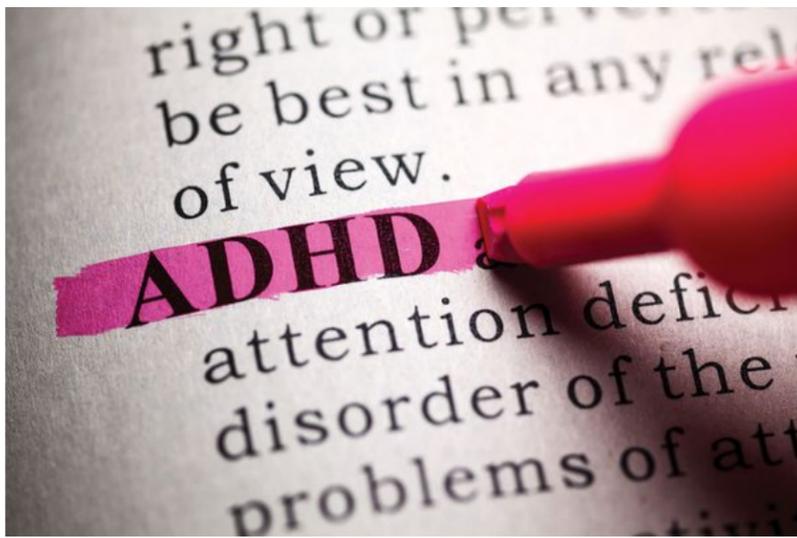
Complications

Without treatment, children with ADHD can potentially have several long-term complications. Such as:

- Sleep issues
- Poor self-esteem
- Impulsive, risky behaviors
- Academic underachievement
- Job instability when they are adults
- Having issues with their relationships and social interactions
- Suffering from depression and anxiety

Testing

ADHD is typically diagnosed by a Mental Health Professional, a psychiatrist, or a primary care physician. "A psychiatric evaluation will include a description of symptoms from the patient and caregivers, completion of scales and questionnaires by the patient, caregivers and teachers, complete psychiatric and medical history, family history, and information regarding education, environment, and upbringing. It may also include a referral for medical evaluation to rule out other medical conditions."



Via Counseling Today

Treatment

Usually, after testing is done, ADHD includes a combination of therapy and medication. An experienced therapist who is trained in Parent-Child Interaction Therapy is the first line of evidence-based treatment for ADHD and Oppositional behavioral Disorder.

According to guidelines, psychostimulants (amphetamines and methylphenidate) are the pharmacological treatments for the management of ADHD. Many parents though will refuse to give medications to their children, and they try to rely on the PCIT treatment. If that proves insufficient, then methylphenidate rather than amphetamines may be helpful.

When I am supervising my therapists at the clinic, I always remind them to take their time to ask a lot of questions, have testing done, and observe the child before they diagnose him or her with ADHD. There are other disorders that mimic ADHD symptoms, such as depressive disorder, sensor processing disorder, sleeping disorders, hearing issues, and mood swings.

What are the strategies of a parent helping their child?

Regarding Behavior

- Give clear and specific directions and limits. Be clear when you talk to a child, they need to know what to expect from the parent
- As a parent, try to focus on the child's good behavior
- Reward good behavior

Regarding Organization

- Follow the same routine every day
- Use a planner for the child
- Teach the child to put all his/her items in one place: clothing, backpack, and school supplies

Regarding Homework

- Set up a place that is private for his/her homework area without distractions
- Have the child take breaks while doing homework
- Praise your child when they complete homework

Back to our 12-year-old client, he received PCIT treatment, was taught organizational skills, problem-solving skills, stress management, and communication skills, and he was prescribed Ritalin for his condition.

The last time I saw him, he was a straight-A student and participated in sports, and has developed good self-esteem.

References

Mayo Clinic
American Psychiatric Association
Child-Mind Institute

Note from the Alfa Press team:

Attention Deficit Disorder (ADD) and Attention Deficit Hyperactivity Disorder (ADHD) are prevalent neurodevelopmental disorders that affect individuals worldwide.

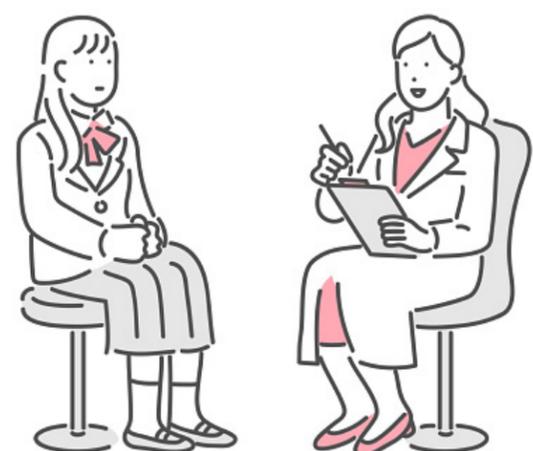
While the exact prevalence rates of these disorders in Saudi Arabian children and adults are not well-documented, studies suggest that they are similar to rates reported in other countries. According to a recent review published in the journal *Neuropsychiatric Disease and Treatment*, the estimated prevalence of ADHD in Saudi Arabia ranges from 2.6% to 10.3% in children and 1.2% to 7.3% in adults. The review also noted that due to a lack of awareness and cultural stigma surrounding mental health, many cases of ADHD around the world go undiagnosed and untreated.

To address this issue, the Saudi ADHD Society was established as a non-profit organization to increase awareness of ADHD and provide support to those affected by it in Saudi Arabia.

The society offers a range of resources, including educational programs for parents, teachers, and healthcare professionals, support groups for individuals with ADHD and their families, and access to expert advice and guidance.

The society also conducts research to better understand the disorder in the Saudi Arabian population and advocates for the rights of individuals with ADHD. Through these efforts, the Saudi ADHD Society is working to improve the diagnosis and treatment of ADHD in Saudi Arabia and reduce the stigma surrounding mental health.

At Alfaisal University, we recognize the importance of providing support to students struggling with mental health issues such as ADHD. We have our own counsellors who are always available to listen to students' concerns and provide support for those who may be struggling with ADHD or other mental health issues. Our counselling services are confidential, free of charge, and open to all students. We believe that by providing these resources, we can help our students manage their symptoms and succeed academically and personally.



Via iStock

#خبر عاجل

رزان خطيب، كلية الهندسة

في تلك البقعة الجغرافية المدمرة، أناس أقاموا علاقةً مع الموت، أطفال أصبحوا لا يهابونه، يتكلمون عنه وكأنه جزء من اليوم لا حقيقة مطلقة. في تلك البقعة المعقدة، الإنسان أصبح يموت في اليوم مئة مرة، تسعة وتسعون مرة من التخيل، و مرة من الموت عينه. ويحاً لذلك الخيال الواقعي.. تقع قذيفة فتتهيه، يطلق رصاصاً فيدميه، ينصب قنّاصاً فيجثيه، يؤخذ يوماً فيمحي، وتزلزل الأرض به مرة فيبلغ، ولكنه لم يتغير حاله مرة، دوماً ما يصبح في وضع الخبر العاجل.. لا الإنسان الميت، في وضع "الترند" .. لا وضع الحرب. يحكى عنه يوماً ثم ينسى، يوضع في ذلك الشريط الأحمر أسفل التلفاز ثم يتلاشى من العقول، توضع علامة "هاشتاغ" قبله ثم لا يترك أثراً. أما حان الوقت؟ أما حان وقت العيش؟ ألم تكفي تلك السنين؟ حملنا الحزن اثنا عشر عاماً، ولم يطلع الصبح.. فهل له أن يطلع؟ فهل لنا أن نعيش؟

أجنحة سوداء

غزل طانيوس، كلية الطب

منذ لحظة خروجها من شرنقتها نظر إليها جميع الفراشات الزرقاء وأشاروا إلى أجنحتها الرقيقة السوداء... تلك الأجنحة الباهتة الداكنة التي لم تعكس شعاع ضوء واحد ولم تلمع ألوانها كباقي أجنحة الفراشات... جناحيها امتصا كل النور إلى أن أصبح ظلاماً معتماً قاتماً، لم تعلم ما تفعل وإلى أين تذهب... حاولت تغيير لونها ولكن سرعان ما تلاشى، أرادت قطعهم بشدة فما فائدة التحليق إن كانت روحها لا تريد النهوض، حاولت مراراً وتكراراً بأن تلمع ولكن انتهى بها المطاف في الظلام مجدداً ومجدداً... أرادت لأجنحتها أن "تشبههم" وتمنت لو كان لونها أزرق زاهي كما لديهم... فكرت في الرحيل كثيراً وفي أن تتركهم ورائها وتحلق إلى أن تجد من يشبهها... أصابها اليأس... واعتلاها الحزن... لم يعلم أحد بأن جناحيها الرقيقان حملا ألم العالم كله... كان كثيرٌ عليها أن تطير حاملة كل ذلك الثقل... فيا له من عالم قاسي!!... لطالما انتظرت الخروج من شرنقتها الصغيرة وحاربت جدرانها وقاطعت سبات نومها الطويل ولكنها لم تكن تعلم بأن العالم هو سجنها المؤبد.. وبأن هذا الكون الكبير الذي انتظرت لقائه بفارغ الصبر بأسرها.. وأن تلك السماء ملك للجميع سواها، أصبح الليل صديقها الوحيد فالبرغم من وحشة هدوئه لم يشعرها يوماً بظلام جناحيها وبغرابة لونها.. كانت تطيل النظر إلى القمر الذي لطالما أثار غيرتها فكيف له أن يضيء وسط الظلام الحالك وكيف له أن يكون مصدر بؤسها ومتنفسها الوحيد في آن واحد، ففي كل ليلة تمننت بأن تصبح قمراً أو نجماً لامعاً ليعجب بها الآخرون وليجلسو مطيلين النظر إليها لتتسيهم وجود الظلام أو الغيوم المعتمة، حلمت كثيراً ولكنها كانت، موفنة بأن الأحلام تبقى أحلاماً نستيقظ منها يوماً



Photo Credits to Gazal Tannous, Second Year, Medicine

تقبل الذات

ميس غسان نجم الدين، كلية الطب

هو أن تعلم أنك إنسان من المؤكد أنك مليء بالعيوب وأنتك اخطأت كثيرا أيضا و ستخطئ ومن المؤكد أيضا أنك قادر على التعلم من هذا الخطأ والتغير نحو الأفضل وأول وأهم خطوة للتغيير هي التقبل

أولاً يجب الاعتراف:

أن تحضر ورقة وأن تكتب كل ما تشعر به تجاه نفسك وكل ما تظن أنك تمتلكه من نقاط ضعف (لحساسية الزائدة، قلة الصبر) أو قوة (التواصل الجيد مع الآخرين، الانضباط، الثقة بالذات)

ثانياً أن تعلم سبب كل هذه المشاعر بالأسئلة:

أريد منك النظر إلى هذه الورقة وأن تبدأ بالتفكير بهذه الأسئلة: اسأل نفسك لماذا أرى نفسي بهذا الشكل؟ سواء كتبت بعض الصفات التي تحبها أو تكرها في نفسك، هل أنا حقاً بهذه الصورة؟ ما الذي أستطيع تغييره؟ وما الذي أريد تغييره؟ لماذا أريد تغيير هذه الصفة

ثالثاً التقبل:

الحقيقة هي أنه مع تقبل الذات تبدأ باكتشاف أن العديد من افكارك حول نفسك تتبع ممن هم حولك سواء كانوا أهلك أو أصدقائك أو أي الأشخاص القريبين منك، وسوف تعرف أيضا أن كثيرا مما تكرهه حول نفسك هي أشياء طبيعية جدا أن تكون في أي إنسان وإنك بإمكانك تغيير ما هو مهم تغييره بعد تقبله طبعا وبإمكانك ترك ما ترى أنه لم يكن أبدا نقطة ضعف بالنسبة لك كما هو، في تقبل الذات تبدأ بتكوين نظرة جديدة تماما عن نفسك وكأنك تقشر ببصلة سوف تبكي أحيانا وأنت تقشر ولكنك ستعتاد وستحب طعم الوصول إلى تقبل ذاتك فهو طريق شاق وإن كنت كتبت الخطوات فهذا لكي ترى أنه بإمكانك البدء الآن واليوم وإن كنت شخصا متقبلا لذاتك ولكنك تشعر بالغضب والبغض تجاه نفسك أحيانا أريدك أن تحاول فعل الخطوتين عندما يأتيك هذا الاحساس وأريدك أن تصل من خلال الأسئلة إلى سبب شعورك بهذا الشكل: هل السبب الانتقادات التي اتعرض لها؟ هل اخطأت بشيء ما وهذا هو سبب كرهني لنفسي؟ لا تتسى أن تكون لطيفا مع نفسك قدر المستطاع، صدقتي بأنه لن تستفيد أنت أو أي شخص آخر من احتقارك وكرهك لذاتك سوف يرهقك هذا الشعور مع مرور كل يوم وكل شهر وكل عام

فوائد تقبل الذات هي أنك ستعيش مطمئنا باذن الله فمن رضي عن نفسه يعلم ما الذي يستطيع تغييره ويعلم أنه مهما كان مليئا بالعيوب أنه يستحق الحب والخير وأنه إنسان سوف يخطئ وسوف يصلح أيضا

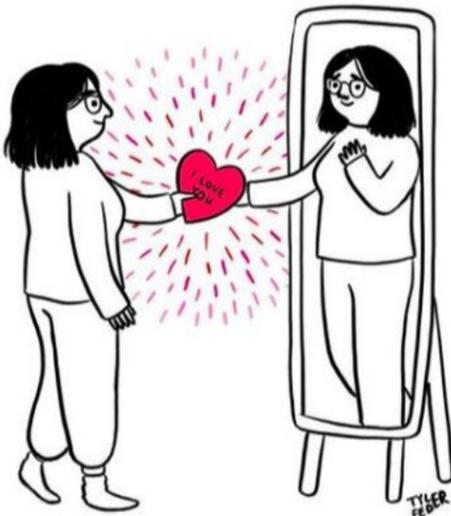


Photo credits to Tyler Feder



Photo credits to Verywell Mind/Catherine Song



يوم رواد العلم ينير ويلهم في جامعة الفيصل

كتابة إيمان شودري وترجمة صبا عسيري، كليات الطب والهندسة



From left to right: Dr. Torki Alshubaiki, Dr Dana Bakheet, President Mohammed AlHayaza, KFP Winner Professor Dan Bahouch, HRH Dr. Maha bint Mishari Al-Saud, Dr. Khaled Al-Kattan. Image taken by Alfaisal Marketing Communications.

بعد محاضرة البروفيسور تشاد ميركين التثقيفية والملمة ، ألقى البروفيسورة جاكى بي رو ينغ محاضرة بعنوان "تصميم وتركيب المواد النانوية لتطبيقات الطب الحيوي والطاقة". حصلت الأستاذة المساعدة للهندسة الكيميائية في معهد ماساتشوستس للتكنولوجيا والمديرة والزميلة على جائزة الملك فيصل لتركيب العديد من NanoBio في مختبر STAR * A الأولى في المواد والأنظمة النانوية المتقدمة ، وتطبيقاتها في الحفز ، وتحويل الطاقة ، والطب الحيوي. يتضمن عملها تقنية النانو والطب النووي وقد توج بتأسيس ست شركات ناشئة وفرعية ناجحة

بعد تقديم الحائزين على جائزة العلوم في جامعة الفيصل مع رمز تقدير قيادة الفيصل ، بدأت محاضرات الحائزين على جائزة الطب التي تركزت حول تطوير لقاح ضد الجائحة. وفي سياق ، ناقشت هذه المحاضرات العلوم والخبرات الكامنة وراء تطوير لقاحات COVID-19 جائحة في جميع أنحاء العالم SARS-CoV-2

وقدمت أول حاصلة على الجائزة الطبية، البروفيسورة سارة جيلبرت، محاضرتها بعنوان "التحضير لتطوير لقاح ضد الجائحة". تم ترشيح رئيسة قسم اللقاحات ورئيسة مجموعة اللقاحات الممرضة لتفشي الأمراض في معهد علوم الأوبئة في جامعة أكسفورد بالمملكة المتحدة، وتم تقديمها إلى جائزة الملك فيصل لتطوير تقنيات لقاحات مبتكرة وتطبيقها على الملاريا، والإيبولا، لعبت البروفيسورة SARS-CoV2. والإنفلونزا، ومتلازمة الشرق الأوسط التنفسية، وأحدثها الذي تم توفيره لحوالي AstraZeneca COVID-19 جيلبرت دوراً أساسياً في تطوير لقاح ملياري شخص حول العالم. لقد أدى عملها إلى إنتاج لقاحات ممكن توفيرها في جميع أنحاء العالم.

للإضافة إلى نتائج البروفيسورة جيلبرت وإسهاماتها في تطوير اللقاح، قدم البروفيسور دان هونغ باروش، الحائز على جائزة الطب الثانية من جائزة الملك فيصل، محاضراته بعنوان "تطوير في جامعة William Bosworth Castle لقاحات للأوبئة العالمية". بصفته أستاذ الطب في Beth Israel Deaconess هارفارد ومدير مركز أبحاث الفيروسات واللقاحات في المركز الطبي في معهد ماساتشوستس للتكنولوجيا وجامعة هارفارد، حيث حاز على جائزة الملك فيصل في الطب لمساهمته الرئيسية في توضيح علم المناعة وأسباب في عدوى الفيروسية. ولقد طور لقاحات جديدة واستراتيجيات علاجية ضد العديد من مسببات الأمراض ذات الأهمية العالمية، بما في ذلك فيروس نقص المناعة البشرية -1، وفيروس زيكا، والسل، ومؤخراً فيروس كورونا

تابع الطلاب من كليات العلوم والطب في جامعة الفيصل بحماس الفائزين، وطرحوا أسئلة من تجارب شخصية في المجالات الأكاديمية وتطبيقاتهم العلمية في تجاربهم ومواقفهم الواقعية. لقد ألهم اجتماع الفائزين بجائزة الملك فيصل علماءنا الشباب للتعلم من تجاربهم في تطوير الأفكار والاكتشافات الرائدة التي تشكل الطب الحديث ومجالات العلوم والتكنولوجيا والهندسة والرياضيات والوصول إلى آفاق جديدة من الابتكار والاكتشاف

العلم لا يعالجنا من الغموض، ولكن يعيد إحيائه أو تنشيطه" - روبرت سابولسكي. يوم رواد العلم، وهو حدث استثنائي تستضيفه جامعة الفيصل، ويتم فيه جمع الحائزين على جائزة الملك فيصل للعلوم والطب لتقديم أبحاثهم ومحاضراتهم الرائدة لطلابنا النابغين في كليات العلوم والطب، وكذلك عمداء جامعة الفيصل

تأسست جائزة الملك فيصل عام ١٣٩٧هـ وتم منحها لأول مرة عام ١٣٩٩هـ وتكرّم هذه الجائزة الأعمال المتميزة للأفراد والمؤسسات في خمس فئات، خدمة الإسلام، والدراسات الإسلامية، واللغة العربية والأدب، والطب، والعلوم وهدفها هو إفادة المسلمين في حاضرهم أو مستقبلهم، وإلهامهم للمشاركة في جميع جوانب الحضارة وإثراء المعرفة البشرية والتنمية

في اليوم التاسع عشر من شعبان عام ألف وأربعمائة وأربعة وأربعون، تشرفت جامعة الفيصل باستضافة الحائزين على جائزة الملك فيصل في الطب والعلوم في قاعة الأميرة هيا لعرض أبحاثهم ونتائجهم التي أهلتهم لنيل جائزة الملك فيصل

بدأ اليوم بترحيب حار من سيدة الحفل، إيمان شودري، التي أكدت على أهمية تكريم ورعاية المواهب العلمية نيابة عن إدارة جامعة الفيصل ومؤسسة الملك فيصل

بعد كلمة الافتتاح، تلقى الحضور سلسلة من المحاضرات التثقيفية والمثيرة للتفكير من قبل الفائزين ونتائج أبحاثهم في مجالات تخصصهم

ألقى البروفيسور تشاد ألكسندر ميركين أول محاضرة بعنوان "استكشاف وتوسيع" الماترفيرس مع المكتبات الضخمة للمواد النانوية والذكاء الاصطناعي". حصل البروفيسور ميركين، دكتور الكيمياء في جامعة نورث وسترن ومدير المعهد الدولي لتقنية النانو، على جائزة الملك فيصل لمساهمته البارزة في تقديم مفهوم الجسيمات النانوية كذرات والحمض النووي كروابط لتصميم المواد المجهرية البلورية الوظيفية، وإثراء ذخيرة الكيمياء والأدوات المادية وبالتالي تحديد العصر الحديث لتقنية النانو. يسمح عمله لزملائه وغيرهم من العلماء بتصميم وتوليف وفحص وتحديد بنية نانوية جديدة باستخدام أي مادة كيميائية مرغوبة، والتي يمكن استخدامها بدورها في تصميم الأدوية واكتشاف العلاجات الطبية لتحسين الحياة



Professor Sarah Gilbert. Image taken by Alfaisal Marketing Communications