

Ohio First Lady Fran DeWine Focuses on Dolly Parton's Imagination Library of Ohio and Early Childhood Literacy at University Hospitals



First Lady DeWine speaks to parents at UH Rainbow Babies & Children's Hospital.

(CLEVELAND, Ohio)—Ohio First Lady Fran DeWine focused on early childhood literacy in Northeast Ohio today, starting with a tour of University Hospitals (UH) Rainbow Babies & Children's Hospital and MacDonald Women's Hospital in Cuyahoga County to learn about the ways UH is promoting Dolly Parton's Imagination Library of Ohio.

Dolly Parton's Imagination Library of Ohio has enrolled 358,550 kids, totaling nearly 50% of eligible children within Ohio. The Imagination Library mails kids one high-quality, age-appropriate book each month until their 5th birthday. All Ohio children – from birth to age 5 – are eligible at no cost to families.

"I love traveling Ohio to see how our amazing partners, like leaders at University Hospitals, are helping to enroll young families so that more free books get into the hands of children," said Ohio First Lady Fran DeWine. "Sev-

eral Ohio-based research studies, including one done at Case Western Reserve University, show the positive impact Imagination Library books have in a home, particularly better-preparing kids for kindergarten."

After the UH tour, First Lady DeWine participated in a roundtable discussion with hospital leaders and community partners who are helping our youngest Ohioans get an early start on reading. Brain science shows a child's brain is already 80% developed by the time he or she turns three years old. Ohio-based research shows the longer a Cuyahoga County student is enrolled in the Imagination Library, the higher his or her Kindergarten Readiness Assessment score, which is used to measure a student's skill level in being able to grasp instruction.

"Reading to infants and children is so important. Countless studies have shown a connection between a babies' language exposure and their neurodevelopmental outcomes. Reading also supports family bonding, and decreases stress related to hospitalization," said Patti DePompei, RN, MSN, President, UH Rainbow Babies & Children's and UH MacDonald Women's hospitals and Rainbow Babies & Children's Foundation Chair in Leadership and Innovation. "We are proud to actively support Dolly Par-

ton's Imagination Library of Ohio and connect our patients and families to these wonderful opportunities to hopefully develop a lifelong love of books."



UH leaders share First Lady DeWine's passion for reading, an activity that supports a child's brain development. In addition to assisting families with registration for Dolly Parton's Imagination Library of Ohio, each family that has a baby at UH MacDonald Women's Hospital receives a bag filled with baby-friendly board books, literature on healthy parenting tips, and the option to activate the baby's first library card. It's part of the UH Baby's First Books program.

UH Rainbow Babies & Children's has also been a long-time participant in the national Reach Out and Read program. Most recently, the Neonatal Intensive Care Unit (NICU) at UH

Rainbow Babies & Children's Hospital became the first-of-its-kind in Ohio to bring Reach Out and Read to patients in the hospital.

Just last month, the UH Rainbow's NICU participated in its third read-a-thon through the Babies with Books program. The 10-day event brings together 200+ NICUs around the world in a friendly competition to celebrate and encourage reading with doctors, nurses, therapists, volunteers, and family members reading at least one story each day to every baby.

First Lady DeWine has been working to partner with Ohio birthing hospitals, like UH MacDonald Women's Hospital. If parents sign up their newborn for the Imagination Library, that child will receive 60 books, taking full advantage of all the free books the program has to offer Ohio families.

Parents and caregivers can sign up children for Dolly Parton's Imagination Library books here.

First Lady DeWine participates in roundtable discussion with hospital leaders and community partners.



物檢測為零，並且不需要任何添加劑。3D 小分子活

性，三螺旋(3D)特徵結構被破壞，形成所謂的“肽”，已經沒有任何生理調節作用。

具有良好生理調節作用的膠原必須在生產過程中保護好其原有的“三螺旋結構”。考

上。而禽類、魚類、植物類的蛋白與人體蛋白的相似度很低，不宜用于生產具有生理調節活性的蛋白產品原料。

全羊小分子活性肽需用低於 38 攝氏度

中美澳三國科學家聯手打造 —全羊小分子活性肽助力人類大健康事業



華仕康(瀋陽)健康產業集團董事長劉金輝先生

據瞭解，華仕康健康產業集團是一家以科技為先導，國民健康為己任的集團公司。這家公司以“全心全意為人民健康事業服務”為理念，實現集團化管理。公司總部設在中國瀋陽，在大連、吉林、長春、松原、哈爾濱、大慶、撫順、盤錦、阜新、鞍山、廣州等十幾個區域均設有分公司。2016 年被評為“瀋陽市總商會直屬商會副會長單位”、“山東健康長壽促進理事會單位”。2017 年獲得瀋陽慈善總會頒發“愛心企業”。同年，華仕康與健康行業多家領軍企業整合資源、優勢互補成立“華仕康大健康”聯盟。2019 年榮獲“中國保健協會團體會員單位”及中國健康行業協會頒發“理事單位”等榮譽稱號。

華仕康(瀋陽)健康產業集團董事長劉金輝先生為了實現人類的百歲夢想，助力人類健康事業，攜手吉林金梓源生物科技股份有限公司與澳大利亞 Orion 健康科技公司及美國 Goldenwater 生物科技公司共同研發了這款動物蛋白肽凍干粉(全羊小分子活性肽)，此款產品經權威部門檢測結果證明，蛋白肽含量高達 99.2%-99.6%，重金屬檢測為零、農藥殘留檢測為零、微生

性肽經

各國科學家研究發現，能夠有效的修復細胞、激活細胞、再生細胞。這項研究將為人類健康做出卓越貢獻。

科學家經過多年研究發現，不是所有生物體的“肽”類對人的身體有明顯的調理作用，基本上只有一些功能蛋白對人的健康才具有良好的調養作用。其它生物體蛋白，如禽類、魚類、植物類等蛋白由於與人體蛋白差異性太大，進入體內後，人體自身免疫系統會對這類蛋白作為“異物”極力排斥，因此常有人食用或接觸這類蛋白而引起過敏性反應。

市面上現有的“小分子肽”類產品在生產過程中，破壞了分子結構，只能作為營養補充劑使用。對於消化不良、營養缺陷人群具有補充營養的作用，並不具備“疾病治療”功效，所宣稱的各種治療功效作用基本沒有。另外，一些商家把“動物明膠”粉碎制粉，冒充“膠原蛋白肽”的產品也屢見不鮮。

研究證明，哺乳動物來源的小段膠原蛋白對人類身體具有良好的調理作用，有益健康。膠原蛋白與其它體內蛋白一樣，對高溫、高碱、高酸、重金屬及其它蛋白變性劑敏感。而“明膠”本身就是“變性”的膠原，已經失去了原有生物活

慮到人體吸收問題，應製成具有“三螺旋結構”的小段膠原，而不是“膠原肽”。

多年來研究表明，肽鏈形成一個完整的螺旋結構需要 4.8 個氨基酸，按 5 個整數計算，形成一個具有完整結構的最小膠原段需要約 15 個氨基酸。氨基酸的平均分子量為 128 道爾頓(Dalton) 是分子量常用單位，即分子中所有原子按個數求原子量的代數和，那麼一個最小的膠原段的分子量不低於 1920Dalton。市場上推出的“小分子肽”如果小於 500Dalton，就不能稱為膠原蛋白。因此，在考慮到蛋白不耐高溫的特性，我們在生產工藝上採用“超低溫冷凍乾燥技術”，只有這種工藝才能確保產品活性。現在，市面上銷售的“小分子肽”大多採用高溫乾燥方法制粉，如噴霧乾燥等。因為噴霧乾燥的物料出口溫度需要達到 60~120℃，嚴重破壞了蛋白的三維立體(3D)結構，像“奶粉”一樣屬於變性蛋白產品，只有營養作用，並不具備其它功效。

在產品原材料選擇、保存等環節上，華仕康集團把關非常嚴格，推出的全羊小分子活性肽所有使用的原材料均為新鮮屠宰的檢疫合格全羊，哺乳動物的蛋白成分與人體內蛋白具有高度的同源性，相似度高達 98%以

的水溶解，口腔含服 10 分鐘以上，可以通過口腔黏膜或其他黏膜為吸收途徑。這種使用方法克服了蛋白質藥物必須注射的傳統給藥方式，卻能達到注射同樣的效果，也就是說本系列產品的使用是介于口服和注射之間的創新方法。

黏膜吸收避免了胃液對功能蛋白的破壞作用，通過黏膜吸收活性蛋白可完整進入體內發揮作用。人的黏膜具有良好的選擇吸收功能，只有那些與人體蛋白極度相似，且不會發生免疫排斥作用的蛋白才能通過黏膜進入體內。而那些失去功能的變性蛋白和與人體差異性較大的蛋白會被阻擋在黏膜之外不能進入體內。這種大分子功能蛋白質通過黏膜選擇性吸收機制大大地拓寬了蛋白質藥物的應用範疇，將會對未來蛋白質藥物的開發和應用奠定重要的理論基礎。

華仕康(瀋陽)健康產業集團董事長劉金輝先生說：“為了進一步開發出效果更優良的產品，我們後續還要投入大量的科研資金，牢記科技是第一生產力，人才是第一資源，科研成果必須產業化並貢獻給老百姓，讓老百姓受益，讓老百姓享受科技成果給人類帶來的改變！”

