

to handle energy: store it as glycogen (a form of sugar) or triglycerides (a type of fat).

The research team found that when the PPP1R3B gene is more active, the liver tends to store more energy as glycogen. The liver stores more energy as fat when the gene is less active.

This shift between glycogen and fat storage is crucial because it affects how the body manages blood sugar and fat levels.

Large scale genomics studies in humans have reported that mutations in the PPP1R3B gene are associated with several metabolic conditions, including type 2 diabetes and fatty liver disease. However, it was unclear how the gene was involved in these conditions. “Our research shows that PPP1R3B is like a control switch in the liver,” said Creasy. “It directs whether the

liver stores energy for quick use in the form of glycogen or for long-term storage as fat. We also saw changes in how efficiently mice and cells with genetic manipulations of PPP1R3B could use either glucose or fat for energy. This discovery could help us find new ways to help people with metabolic diseases with precision nutrition approaches, based on their genetics."

A decades-long scientific challenge in HIV vaccine development has been finding a way to train the immune system to produce antibodies that can target many variants of the virus. Traditional approaches haven't worked - largely because HIV mutates rapidly and hides key parts of itself from the immune system. Now, a new study combining data from two separate phase 1 clinical trials shows that a targeted vaccine strategy can successfully activate early immune responses relevant to HIV, and in one trial, further advance them - a key step towards a long-sought goal in vaccine development. Conducted by an international team led by scientists at

- which enabled faster production and clinical testing, and provided strong immune responses. "We've now shown in humans that we can initiate the desired immune response with one shot and then drive the response further forward with a different second shot. We've also shown that the first shot can work well in African populations," says senior author William Schief, a professor of immunology and microbiology at Scripps Research; vice president for protein design in infectious disease research at Moderna, Inc.; and executive director of vaccine design at IAVI's Neutralising Antibody Centre. "These trials provide proof of concept for a stepwise approach to elicit custom-tailored responses - not just for our vaccine, but for the vaccine field at large, including non-HIV vaccines."

“These remarkable results validate the rational vaccine design that underpins this approach,” adds Mark Feinberg, President and CEO of IAVI. “A vaccine would be a tremendous step forward for global health and could help bring an end to the HIV pandemic. This effort has been made possible by a phenomenal collaboration of scientific research institutions, funders, private sector and government - and is a testament to the power of partnership-driven scientific inquiry.”

Broadly neutralising antibodies, or bnAbs, are a rare type of immune defense that can recognize and block a wide range of HIV variants. Unlike standard antibodies, which often only recognise a specific variant of the virus, bnAbs target parts of HIV that stay the same even as the virus mutates.

A black and white photograph showing a person's hand holding a finger steady while another person, wearing a medical glove, uses a glucometer to test the blood sugar. The glucometer's screen displays the number '98'.

no effect on body weight or food consumption. Conventional wisdom is that diabetes, particularly type 2 diabetes, stems from a combination of genetic predisposition and lifestyle factors, including obesity, lack of physical activity and poor diet. This mix of factors leads to insulin resistance or insufficient insulin production.

Until now, scientists have traditionally thought the brain doesn't play a role in type 2 diabetes, according to Schwartz.

The paper challenges this and is a "departure from the conventional wisdom of what causes diabetes,"

The new findings align with studies published by the same scientists showing that injection of a peptide called FGF1 directly into the brain also causes diabetes remission in mice. This effect was subsequently shown to involve sustained inhibition of AgRP neurons. Together, the data suggest that, while these neurons are important for controlling blood sugar in diabetes, they don't play a major role in causing obesity in these mice, the researchers noted in their report.

not reverse obesity, even as it causes diabetes to go into remission, Schwartz explained.

More research is needed on how to regulate activity in these neurons and how they become hyperactive in the first place, he said. Once these questions are answered, Schwartz said that a therapeutic approach might then be developed to calm them down.

This approach could represent a shift in how clinicians understand and treat this chronic disease, Schwartz said. He noted, for instance, that Ozempic and other new drugs used to treat type 2 diabetes are also able to inhibit AgRP neurons.

The extent to which this effect contributes to the antidiabetic action of these drugs is unknown. Further research might help scientists to better understand the role of AgRP neurons in how the body normally controls blood sugar, and to ultimately translate these findings into human clinical trials, he added.

Carb qu

Intakes of dietary fibre, high-quality and total carbohydrates in midlife were favorably linked to healthy aging and other positive health outcomes in older women, according to a new study by researchers from the Jean Mayer USDA Human Nutrition Research Center on Aging (HNRCa) at Tufts University and Harvard T.H. Chan School of Public Health.

"We've all heard that different carbohydrates can affect health differently, whether for weight, energy, or blood sugar levels. But rather than just look at the immediate effects of these macronutrients, we wanted to understand what they might mean for good health 30 years later. Our findings suggest that carbohydrate quality may be an important factor in healthy aging," said Andres Ardisson Korat, a scientist at the HNRCa and lead author of the study.

The researchers analysed data from Nurses'

(unrefined) carbohydrates, carbohydrates from whole grains, fruits, vegetables, and legumes, dietary fiber, and the dietary glycemic index and glycemic load were derived from the validated food frequency questionnaires. The researchers defined healthy aging as the absence of 11 major chronic diseases, lack of cognitive and physical function impairments, and having good mental health, as self-reported in the Nurses' Health Study questionnaires. In the new study, 3,706 participants met the healthy aging definition.


The analysis showed intakes of total carbohydrates, high-quality carbohydrates from whole grains, fruits, vegetables, and legumes, and total dietary fiber in midlife were linked to 6 to 37% greater likelihood of healthy aging and several areas of positive

Ardissson Korat also noted that additional work is needed to understand the potential mechanisms linking dietary fiber and high-quality carbohydrates to healthy aging. "Studies are starting to find an association between food choices in midlife and quality of life in later years. The more we can understand about healthy aging, the more science can help people live healthier for longer," added Ardisson Korat.

these modified flies. "We found that expressing A β 42 or Tau in neurons affected both neurons and other tissues in the fruit fly body," said co-first author Ye-Jin Park, a graduate student co-mentored by Li and Dr. Hugo Bellen. "A β 42 expression primarily affected the nervous system. Sensory neurons involved in vision, audition and olfaction were particularly vulnerable. A decline in the sense of smell can be an early symptom of Alzheimer's disease, and in this study we identified specific olfactory neurons affected by A β 42 in fruit flies." "On the other hand, Tau expression in neurons led to significant changes, mostly in peripheral tissues, for instance altered fat metabolism and digestion and reduced fecundity. These alterations mimic age-associated changes, suggesting that Tau expression accelerates aging," said co-first author Dr. Tzu-Chiao Lu, a postdoctoral associate in the Li lab. "We found that neuronal connectivity and other factors that mediate brain-body communication were disrupted in Tau flies." "These and other findings described in the Alzheimer's Disease Fly Cell Atlas improve our understanding of how Alzheimer's disease-associated proteins, A β 42 and Tau, affect an organism as a whole," said Bellen, co-corresponding author of the work. Bellen is a Distinguished Service Professor of Molecular and Human Genetics at Baylor and chair in neurogenetics in the Duncan NRI. This comprehensive resource serves as a valuable tool for the neurodegeneration research community. The Alzheimer's Disease Fly Cell Atlas enables further exploration of whole-body changes and brain-body in-

interactions in Alzheimer's disease that may lead to a better understanding of the condition and improved treatments.

The researchers analysed data from Nurses' Health Study questionnaires collected every four years between 1984 and 2016 to examine the midlife diets and eventual health outcomes of more than 47,000 women who were between the ages of 70 and 93 in 2016. Intakes of total carbohydrates, refined carbohydrates, high-quality



SHIVALIK SMALL FINANCE BANK LTD.

Registered Office : 501, Salcon Aaurum, Jasola District Centre, New Delhi - 110025
CIN : U63900DL2020PLC368027

AUCTION NOTICE

The following borrowers of Shivalik Small Finance Bank Ltd. are hereby informed that Gold Loan/s availed by them from the Bank have not been adjusted by them despite various demands and notices including individual notices issued by the Bank. All borrowers are hereby informed that it has been decided to auction the Gold ornaments kept as security with the Bank and accordingly has been fixed at **11:00 am** in the branch premises from where the loan was availed. All, including the borrowers, account holders and public at large can participate in this auction on as per the terms and conditions of auction.

Auction date is 29-May-2025 @ 11:00 am.

| S. NO | Branch | Account No. | Acct Holder name |
|-------|---------|--------------|------------------------------------|
| 1 | CHENNAI | 104142511592 | KARTHIK GUNASEKAR |
| 2 | CHENNAI | 104142510949 | VIMALRAJ M |
| 3 | CHENNAI | 104142511615 | SHANMUGASUNDARAM LAKSHMIKANTHAN |
| 4 | CHENNAI | 104142511611 | SHIVAVIGNESHWAR . |
| 5 | CHENNAI | 104142511306 | GOPU K R |
| 6 | CHENNAI | 104142511315 | PRAMOTH F |
| 7 | CHENNAI | 104142511591 | M A SULFEENA |
| 8 | CHENNAI | 104142511594 | SHALINI V |
| 9 | CHENNAI | 104142511614 | JACOB K |
| 10 | CHENNAI | 104142511637 | PONNIYAMMAL . |
| 11 | CHENNAI | 104142511660 | RAMYA KANNAN |
| 12 | CHENNAI | 104142511659 | MANIKANDAN . |
| 13 | CHENNAI | 104142511672 | R S KUMAR |
| 14 | CHENNAI | 104142511674 | SARASWATHY V |
| 15 | Chennai | 104142511511 | ANAND PATTATHIL |
| 16 | Chennai | 104142511795 | UMAMAHESWARI BALAKRISHNAN |
| 17 | Chennai | 104142512090 | KARTHIK .D |
| 18 | Chennai | 104142512191 | MRS. VASUGI K. |
| 19 | Chennai | 104142512218 | A SRIDEVI |
| 20 | Chennai | 104142512331 | SINGARAVELU A R |
| 21 | Chennai | 104142512395 | RAVURI RAKESH |

The Bank reserves the right to delete any account from the auction or cancel the auction without any prior notice.

Authorised Officer, Shivalik Small Finance Bank Ltd



IndiaShelter
Home Loans

INDIA SHELTER FINANCE CORPORATION LTD.
Registered Office: Plot-15,6th Floor, Sec-44, Institutional Area, Gurugram, Haryana-122002.

Branch Office : Balaramul Theatre Complex - 91, First Floor, Poonamalle High Road, Nerukundam, Chennai- 600107, Tamil Nadu.

SALE NOTICE FOR SALE OF IMMOVABLE PROPERTY

Auction Sale Notice for Sale of Immovable Assets under the Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 (hereinafter referred to as "the Act") read with Rule 8(i) of the Security Interest (Enforcement) Rules, 2002 (hereinafter referred to as "the Rules").

Notice is hereby given to the public in general and in particular to the Borrower(s), Co Borrower(s) and Guarantor(s) or their legal heirs or representatives(s) that the below described immovable property(s) mortgaged/charged to India Shelter Finance Corporation Limited (hereinafter referred to as the Secured Creditor), the possession of which has been taken by the Authorized Officer of the Secured Creditor having its Registered Office at PLOT-15,6TH FLOOR, SEC-44, INSTITUTIONAL AREA, GURUGRAM, HARYANA-122002. **Branch Office:** Balaramul Theatre Complex - 91, First Floor, Poonamalle High Road, Nerukundam, Chennai- 600107, Tamil Nadu. will be sold on "As is Where is", "As is What is" and "Whatever there is" basis on the dates mentioned below for realization of the amount due to the Secured Creditor from the borrowers, co borrowers and guarantors. The sale will be done by the Authorized Officer at the place mentioned below.

| Loan Account Number/AP Number And Name of Borrower(s) / Co-Borrower (s) / Guarantor(s) | Demand Notice u/s 13(2) Date and Amount | Description of the Immovable Property/ Secured Asset | Date and Type of Possession | Reserve Price | Date and Time of Inspection of the property |
|--|---|---|--|--|---|
| HL11CHLONS0 0000504866/A P.10109383 1. Mr./ Mrs. Prasillas 2. Mr./ Mrs. Sathish-Kan- Malingam | And 12th Janu.2025 Rs.3003070/- (Rupees Thirty Lakhs Three Thousand Seventy One) Big Increase Amount Multiples of Rs. 50,000 (Multiples of Rupees Fifty Thousand only) | Residential Flat bearing Flat No.F I, of a Super Builtup area of about 981 Sq.ft., including common area in the First Floor premises bearing Valamathi Nagar, Pudur, Ambattur, Chennai-600 053, Ambattur Taluk, Thiruvallur District, comprised in Survey No.8677, T.S.No.307, Block No.7, Ward-A of Oragadam Village, Ambattur, Ambattur Taluk, Thiruvallur District, together with undivided Share of land of an extent of 349 Sq.ft., in the Total extent of 4262 Sq.ft., with one covered car park, including Electricity connection and Electricity Deposit Amount, water and sewerage connection, property tax also secured being, BOUNDARY:- | 07-04-2025 Symbolic Possession Total Outstanding as On Date 27-04-2025 Rs. 31,09,384.70 (Thirty One Lakhs Nine Thousand Three Hundred Eighty Four and seventy paise) | Rs. 29,72,400/- (Rupees Twenty Nine Lakhs seven thousand two hundred Four hundred Only) Earnest Money Deposit (EMD) Rs.2,97,240/- (Two Lakhs Ninety Seven Thousand two Hundred Forty Rupees Only) | EMD Deposition Last Date 19-06-2025 Date and Time of Auction Date: 20-06-2025 Time: 10am to 5pm |

Northby: Landand House, South by: Common Pathway leadsto Panchayat Road, East by: Landand House, West by: Gajalakkshmi and House. MEASURING: Eastto Weston the Northern Side: 46', Eastto Weston the Southern Side: 59' 3", North to Southon the Eastern Side: 81'9", Northto Southon the Western Side: 80'3" Situated within the Registration District of Chennai North and Sub Office of Ambattur.

Place of EMD Deposition Balaramul Theatre Complex - 91, First Floor, Poonamalle High Road, Nerukundam, Chennai- 600107, Tamil Nadu.

Authorized Officer's Name and Mobile No. kasturigenar Mobile No. 9042298450 or Santha kumar Mobile No' 8072233056 **Basakar Mobile No.3500943603**

Place of Auction: Balaramul Theatre Complex - 91, First Floor, Poonamalle High Road, Nerukundam, Chennai- 600107, Tamil Nadu.

Mode Of Payment :- All payment shall be made by demand draft in favour of India Shelter Finance Corporation Limited.

For detailed terms and condition of the sale, please refer to the Secured Creditor's website www.indiasshelter.com or in contact Authorized Officer.



VASTU
HOUSING FINANCE

VASTU HOUSING FINANCE CORPORATION LTD

Unit 203 & 204, 2nd Floor, "A" Wing, Navbharat Estate, Zakaria Bunder Road,
Sewri (West), Mumbai 400015, Maharashtra.

CIN No.: U65922MH2005PLC272501

POSSESSION NOTICE

Whereas, The undersigned being the Authorised Officer of Vastu Housing Finance Corporation Limited under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 and in exercise of powers conferred to him under section 13 (12) read with Rule 9 of the Security Interest (Enforcement) Rules 2002, issued a Demand Notice calling upon the borrowers mentioned herein below to repay the amount mentioned in the respective notice within 60 days from the date of receipt of the said notice. The borrowers having failed to repay the amount, undersigned has taken possession of the property described herein below in exercise of powers conferred on me under Section 13(4) of the said Act read with Rule 9 of the said rules on the date mentioned below.

The borrower and guarantor in particular and the public in general is hereby cautioned not to deal with the property and any dealings with the property will be subject to the charge of the Vastu Housing Finance Corporation Limited Branch for an amount mentioned as below and interest thereon, costs etc.

| S.N | Name of Borrower, Co-Borrower and LAR No. | Date & Amount of Demand Notice | Description of Property | Date & Type of Possession |
|-----|---|--|---|--|
| 1 | S.Kalyana Kumar, Mageshwari . E LP00000000099131 | 10-Oct-24 Rs.2728360 as on 09-Oct-24 | All that piece and parcel of House site measuring 2282 Sq.ft., comprised in Gramanatham Old Survey No. 127/4, Survey No.380/2D(Patta No.98), Situated at No.23, Thiruvindathan Village, Thirupporur Taluk, Chengalpattu District, Tamil Nadu- 603112. North : Kuttai, South : Gangan Land and 10 Feet pathway, East : Vacant Land, West : Narayana Land | Symbolic Possession Taken on 16-May-25 |

Date : 20.05.2025

Place : Chengalpattu

Authorised officer

Vastu Housing Finance Corporation Ltd