

#### HUMAN IDENTITY TESTING

- Forensic cases -- matching suspect with evidence
- Paternity testing -- identifying father
- Mass disasters -- putting pieces back together
- Historical investigations
- Missing persons investigations
- Military DNA "dog tag"
- DNA databases

Involves generation of DNA profiles usually with the same core STR (short tandem repeat) markers

# SOME BASIC PRINCIPLES OF DNA

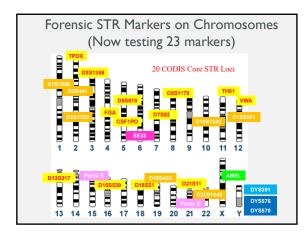
### DNA = **D**eoxyribo-**N**ucleic **A**cid

- In almost every cell of our bodies
- Found in a long strand, like a piece of rope
- $^{\circ}$  Made up of a simple alphabet containing four letters: A, T, C, G
- The order of these letters is what makes everyone different
- Over 99% of human DNA is the same from personto-person

#### FORENSIC DNA REVIEW

## Forensics

- Analyzes biological material found at a crime scene or associated with a criminal investigation
- Analyst compares potential suspects and/or victims as the source of the biological material



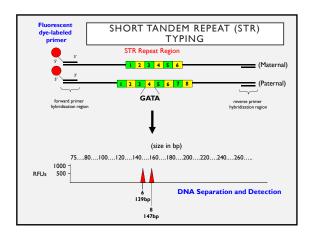


### SHORT TANDEM REPEATS (STRS)

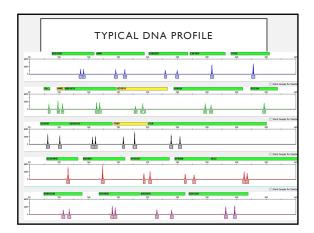
- Regions of DNA where DNA sequences are repeated over and over
- Easier to analyze because they are <u>small</u> and easy to <u>amplify using PCR</u>
- Can be automated

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- Degraded DNA can to some extent be amplified (good for mass disasters)
- Several loci can be analyzed at the same time (Multiplex kits)



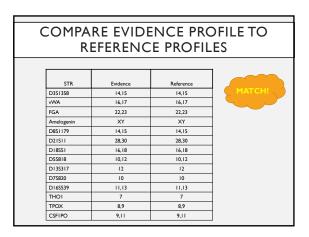






# DNA TESTING REQUIRES A REFERENCE SAMPLE A DNA profile by itself is fairly useless because it has no context... DNA analysis for identity only works by comparison – you need a reference sample

Crime Scene Evidence compared to Suspect(s) (Forensic Case) Child compared to Alleged Father (Paternity Case) Victim's Remains compared to Biological Relative (Mass Disaster ID) Soldier's Remains compared to Direct Reference Sample (Armed Forces ID)



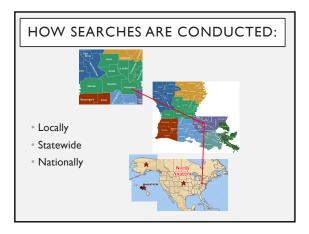
#### FORENSIC DNA REVIEW

# >CODIS

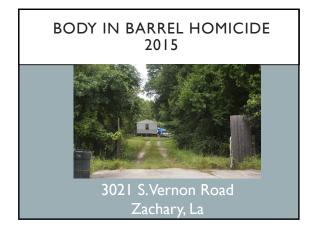
- Combined DNA Index System (CODIS)
- Combines computer and DNA technologies into a powerful tool to generate investigative leads
- Used for linking serial crimes and unsolved cases with repeat offenders

#### CODIS COMBINED DNA INDEX SYSTEM

- Database containing DNA profiles from known (references) and unknown (evidence) samples
- Can make case to case connections
- Managed by the Local, State Administrators and the FBI
- Regulated by the FBI
- Match unknown DNA profiles to known DNA profiles
- Generate investigational leads
- Provide support to law enforcement







### BODY IN BARREL HOMICIDE

#### Saturday, July 4, 2015

- Zachary PD received a call from Delmonico Noce
- Found large amount of blood inside his brother's (Robert Noce) home
- He found water running out of the home
- $\,^\circ\,$  All water faucets in the house turned on
- Drains clogged with towels and rags

#### BODY IN BARREL HOMICIDE

## Saturday, July 4, 2015

- Zachary PD called EBRSO
- Requested assistance
- Large barrel in kitchen with suspected blood on the outside

### BODY IN BARREL HOMICIDE

Discover body

- inside the plastic
- 55 gallon drum
- Body was head first with heel of
- foot up
- Covered with
- bloody towels



## CRIME SCENE EVIDENCE

- •Exterior of House
- Window on end of the mobile home found open ~ 10 inches



### CRIME SCENE EVIDENCE

- Interior of House
- Water on floor and counters
- In 55 gallon drum
  - Pair of discarded latex gloves on top of victim

#### CRIME SCENE EVIDENCE

≻Master Bedroom

- Large stain of suspected blood on carpet
- Blood spatter on entertainment center door, laundry basket on floor, bed comforter and front side of bathroom door
- New hole in wall
- Hand print in dust found on top of a stereo speaker
- Evidence of a struggle primarily occurring in Master Bedroom
- Victim's cell phone missing





#### CRIME SCENE EVIDENCE

- Removal of 55-gallon drum & lid
- First processed exterior for fingerprints
- Latex gloves collected
- Drum sealed and removed from residence – brought to EBR Parish
- Medical Forensic Facility

#### CRIME SCENE EVIDENCE

# Sunday, July 5, 2015

# EBR Parish Medical Forensic Facility

- · Deceased white male
- Black leather belt around neck
- Hands bound behind back silver neck tie
- Additional brown leather belt and
- grey neck tie
- Fingerprints and DNA collected for identification purposes
- Photo comparison appeared to be Robert Nose home owner
- Autopsy to follow on next day

#### CRIME SCENE EVIDENCE

# Additional Evidence Collected

- Contact DNA swab from lid of drum, exterior of drum, window (possible point of entry)
- Portion of belt from around victim's neck
- Evidence delivered to LSPCL on Monday morning

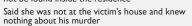
#### INVESTIGATION HISTORY OF VICTIM

- Robert Noce
- Recently pleaded "no contest" to charges of inappropriate sexual contact with a minor (Brittany Monk)
- Monk lived at residence with him several years prior

#### INVESTIGATION QUESTIONING OF BRITTANY MONK

#### Saturday, July 4, 2015

- Brittany Monk located and taken to EBR VCU for questioning
- Admitted knowing Robert Noce
- Stated she had not been inside the victim's residence in several years and that her DNA would not be found inside the residence



- Said people were upset that Robert Noce had only received 5 years probation
- Said her step-father Gerald Dixon was upset about the probation and that he wasn't really going to get away with abusing her
- Voluntarily submitted an oral reference swab

### INVESTIGATION

# Monday, July 6, 2015

- Autopsy performed
- Victim suffered multiple stab wounds and was strangled



## CRIME LAB FORENSIC ANALYSIS

# Tuesday, July 7, 2015

- Louisiana State Police Crime Laboratory expedited the DNA evidence
- Located pink fingernail polish inside used glove inside of the barrel

CRIME LAB FORENSIC ANALYSIS

DNA matched the known DNA swab from Brittany Monk

CRIME LAB FORENSIC ANALYSIS

CRIME LAB FORENSIC ANALYSIS

### FORENSIC DNA EVIDENCE

Leather belt from around the victim's neck Tie from victim's hands

# PERSON OF INTEREST

# Wednesday, July 8, 2015

- Jace Crehan developed as a person of interest (POI) – boyfriend to Brittany Monk
- Brought to the EBR Violent Crime Unit for questioning

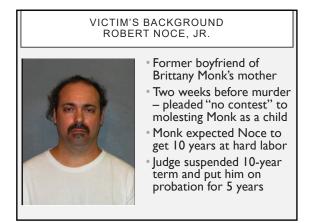


# POI INTERVIEW

- Admitted that he and Brittany Monk entered victim's residence
- •Struggle ensued
- Strangled and stabbed the victim
- Placed victim in the 55-gallon drum



Both Brittany Monk and Jace Crehan arrested in homicide of Robert Noce



# TRIAL

Walker woman pleads guilty to manslaughter in 2015 slaying of her convicted molester PM 🗣 🖪 3 min to re

# June 2017

•Brittany Monk plead guilty

- •Agrees to testify in case
- against Jace Crehan

# TRIAL

Jace Crehan trial: Girlfriend gives chilling account of fatal stabbing, strangulation of convicted molester BY JOE GYAN JR. | JGYAN@THEADVOCATE.COM DEC 12. 2017 - 7:35 PM 🎭 🛢 3 min to m

#### December 12, 2017

Brittany Monk testifies
 States – Crehan's idea to beat up Noce and tie him up

 $\ensuremath{^\circ}\xspace$  Says that she wanted to go – wanted to see him suffer \*Testified that Noce was a former boyfriend of her mother – endured his sexual abuse from age 4 to 12 – Noce began paying her \$100 for sex



•Jury finds Jace Crehan guilty of 2<sup>nd</sup> degree murder in 2015 killing of his girlfriend's

# BODY IN BARREL HOMICIDE UPDATE

Judge decries 'vigilante justice' of Jace Crehan, Brittany Monk after sentencing in slaying of Monk's molester

# 2018 - Sentencing



Jace Crehan – Life in prison without parol
Brittany Monk – 35-year prison

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